BookletChart™

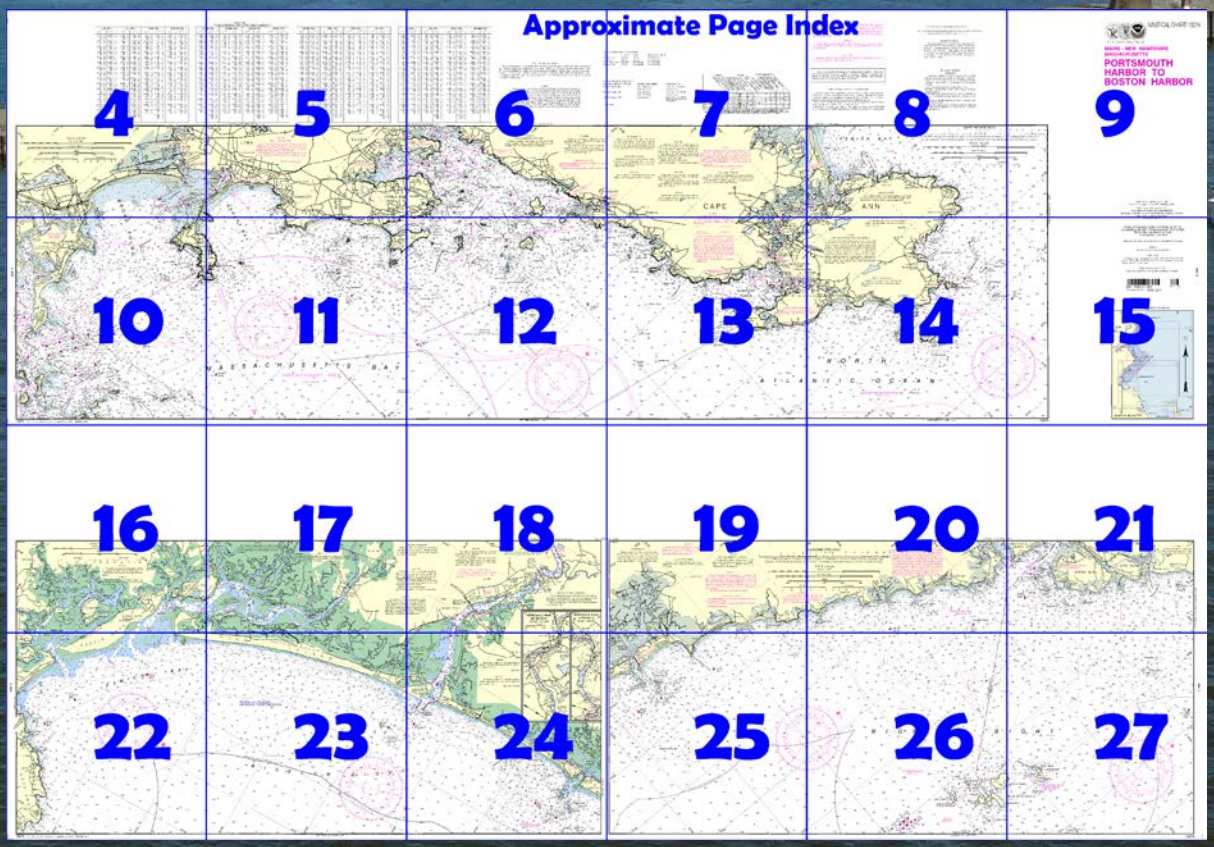
Portsmouth Harbor to Boston Harbor

NOAA Chart 13274

A reduced-scale NOAA nautical chart for small boaters

When possible, use the full-size NOAA chart for navigation.

- *Complete, reduced-scale nautical chart*
- *Print at home for free*
- *Convenient size*
- *Up-to-date with Notices to Mariners*
- *Compiled by NOAA's Office of Coast Survey, the nation's chartmaker*



Published by the
National Oceanic and Atmospheric Administration
National Ocean Service
Office of Coast Survey
www.NauticalCharts.NOAA.gov
888-990-NOAA

What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

What is a BookletChart™?

This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at http://www.NauticalCharts.NOAA.gov.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

Notice to Mariners Correction Status

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.

For latest Coast Pilot excerpt visit the Office of Coast Survey website at http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=13274.

(Selected Excerpts from Coast Pilot)
Brave Boat Harbor (43°06.0'N., 70°39.6'W.), 2 miles southwestward of York Harbor, has a few private landings, but no facilities. Some local small craft were observed there, but the surf is reported to break clear across the entrance with the least sign of weather. Two old railway trestles cross the streams entering into it about 0.2 mile above the entrance.
Cutts Island, on the south side of the entrance, is connected with Gerrish Island to the south of it by a natural seawall of stones and rock thrown up by winter gales. It is conspicuous. A public beach is at the north end of the seawall.

Moores Rock, covered 5 feet and unmarked, is about 0.5 mile eastward of the entrance to Brave Boat Harbor. A long reef which uncovers 4 feet is about 0.3 mile southeastward of the entrance.
Two dangerous ledges are 2.5 miles offshore. **York Ledge,** the northernmost, covered 3 feet and 2.9 miles southeastward of York River, is marked on the east side by a buoy. **Murray Rock,** 1.5 miles south-southwestward of York Ledge, is covered 6 feet, and has a buoy off its southwest side. A lighted whistle buoy is 1.5 miles eastward of Murray Rock and southeastward of York Ledge. Between these ledges and the shore, the bottom is very broken and vessels are advised to pass outside of the lighted whistle buoy. In 1997, a dangerous rock covered by 24 feet of water protruding from a rocky ledge was reported in about 43°03'45"N., 70°35'59"W., about 0.7 mile southeast of Murray Rock. Broken ground covered 24 to 39 feet, extends 2 miles south-southeastward of the buoy marking Murray Rock.
Portsmouth Harbor, 37 miles southwestward of Cape Elizabeth and about 25 miles northward of Cape Ann Light, is the only harbor of refuge for deep-draft vessels between Portland and Gloucester. No large vessel should proceed northward of Kitts Rocks Lighted Whistle Buoy 2KR (43°03.0'N., 70°41.5'W.) without a pilot; the anchorage area is limited.
Portsmouth Harbor is at the mouth of Piscataqua River and is the approach to the cities of Portsmouth and Dover, and the towns of New Castle, Kittery, Newmarket, Durham, Newington, and Exeter.
Several U.S. Navy activities, including the **Portsmouth Naval Shipyard** and a regional medical clinic, are on **Seavey Island** at Kittery, on the north side of the harbor opposite Portsmouth.
A **Regulated Navigation Area** has been established in the vicinity of the Portsmouth Naval Shipyard on Seavey Island. (See **165.1 through 165.13 and 165.101,** chapter 2, for limits and regulations.)
A moving safety zone is established surrounding tank vessels carrying Liquified Petroleum Gas (LPG) while transiting Bigelow Bight, Portsmouth Harbor and the Piscataqua River. (See **165.20, 165.23 and 165.103,** chapter 2, for limits and regulations)
Restricted areas are at the east end of Seavey Island in the cove between Clarks, Seavey, and Jamaica Islands and at the west end of Seavey Island from Henderson Point along the shore to the combined highway and railroad bridge across Back Channel. (See **334.50,** chapter 2, for limits and regulations.)
A security barrier has been established inside the regulated navigation area and the western restricted area.
Portsmouth is a city on the south bank of Piscataqua River about 4 miles above the entrance to the harbor.
The harbor, of sufficient depth to accommodate large deep-draft ships, is open throughout the year, though vessels may be hampered somewhat in passing through the two lift bridges to deepwater berths above the city.
New Castle, a village on the south side of the harbor and the northern part of **New Castle Island,** is reached from Portsmouth by a highway connecting the islands on the south side of the harbor. The island is of considerable importance as a summer resort.
Kittery is a town on the north bank of Piscataqua River opposite Portsmouth.
Back Channel, between Seavey Island and Kittery, is limited principally to small craft and is covered in geographical sequence in the description of the harbor features.

U.S. Coast Guard Rescue Coordination Center
24 hour Regional Contact for Emergencies

RCC Boston	Commander 1st CG District Boston, MA	(617) 223-8555

Table of Selected Chart Notes

Ⓟ Pump-out facilities

CAUTION

Mariners are warned to stay clear of the protective riprap surrounding navigational light structures shown thus:

CAUTION

Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

LOCAL MAGNETIC DISTURBANCE

Differences of as much as 3° from the normal variation may be expected within the limits of this chart.

NOTE B

The controlling depth at MLLW in the entrance channel into Annisquam River was 6½ feet for a width of 200 feet.

Jun 2007-Jan 2008

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

NOTE G

Positions of buoys in the Ipswich River are frequently shifted with changing conditions and are not charted.

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

During some winter months or when endangered by ice, certain aids to navigation are replaced by other types or removed. For details see U.S. Coast Guard Light List.

NOTE F

The entrance channel into Essex Bay and River is subject to continual changes. The buoys are not charted because they are frequently shifted in position.

NOTE C

The controlling depth at MLLW at the entrance channel into Merrimack River was 15 feet for a middle half of 200 feet, thence 7 feet to the end of channel.

Feb 2007 - Oct 2010

NOTE S

Regulations for Ocean Dumping Sites are contained in 40 CFR, Parts 220-229. Additional information concerning the regulations and requirements for use of the sites may be obtained from the Environmental Protection Agency (EPA). See U.S. Coast Pilots appendix for addresses of EPA offices. Dumping subsequent to the survey dates may have reduced the depths shown.

AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

RACING BUOYS

Racing buoys within the limits of this chart are not shown hereon. Information may be obtained from the U.S. Coast Guard District Offices as racing and other private buoys are not all listed in the U.S. Coast Guard Light List.

CAUTION

Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Geospatial-Intelligence Agency Publication 117.

Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.

Station positions are shown thus:

⊙(Accurate location) ○(Approximate location)

NOTE E

The entrance channel into Plum Island Sound is subject to continual changes. Buoys 3, 4, and 6 are not charted because they are frequently shifted in position.

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

CAUTION

BASCULE BRIDGE CLEARANCES

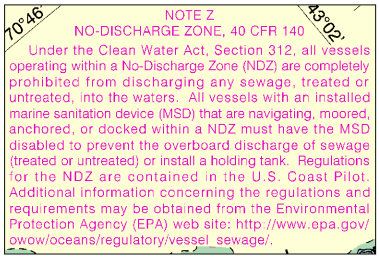
For bascule bridges, whose spans do not open to a full upright or vertical position, unlimited vertical clearance is not available for the entire charted horizontal clearance.

NOTE H

Trawlers or other vessels should exercise caution while dragging the ocean floor within a 6.7 mile radius of Isles of Shoals Light since it is known that JATO racks and associated debris exist in the area.

MERRIMACK RIVER EXTENSIONS

The controlling clearances for bridges to Haverhill are as follows; horizontal clearance 54 feet, vertical clearance 13 feet. The minimum overhead power cable clearance is 50 feet.



NOTE Z

NO-DISCHARGE ZONE, 40 CFR 140

Under the Clean Water Act, Section 312, all vessels operating within a No-Discharge Zone (NDZ) are completely prohibited from discharging any sewage, treated or untreated, into the waters. All vessels with an installed marine sanitation device (MSD) that are navigating, moored, anchored, or docked within a NDZ must have the MSD disabled to prevent the overboard discharge of sewage (treated or untreated) or install a holding tank. Regulations for the NDZ are contained in the U.S. Coast Pilot. Additional information concerning the regulations and requirements may be obtained from the Environmental Protection Agency (EPA) web site: http://www.epa.gov/owow/oceans/regulatory/vessel_sewage/.

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 1. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 1st Coast Guard District in Boston, MA or at the Office of the District Engineer, Corps of Engineers in Concord, MA.

Refer to charted regulation section numbers.

LARGE SCALE CHARTS

More detailed larger scale charts are available for most of the inshore areas of this chart.

The larger scale charts are diagrammed on the cover index.

NOTE I

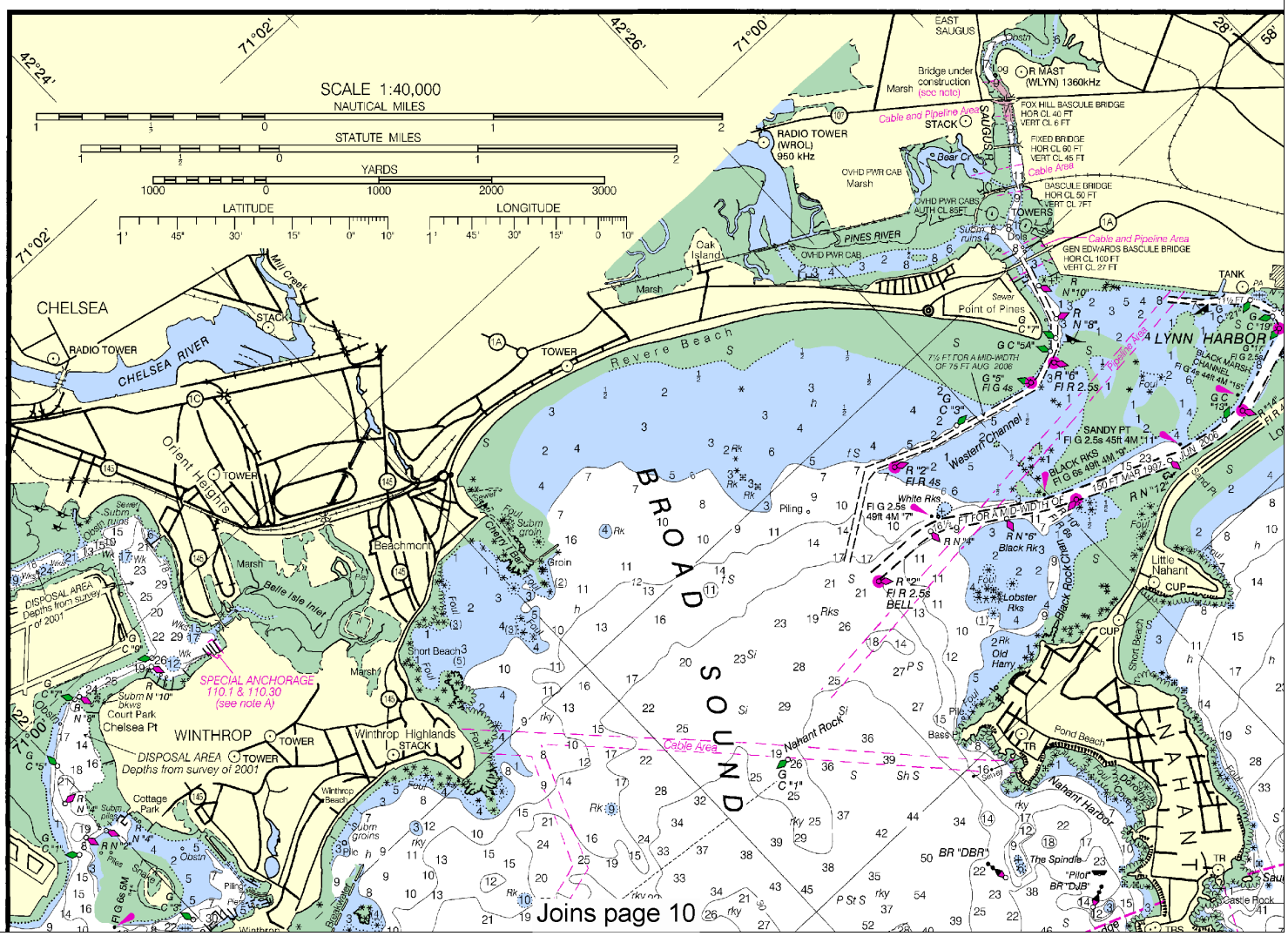
Above buoy 30 the Parker River is marked with uncharted, seasonal, private aids. Due to shoaling the aids are frequently shifted to mark best water. Use only with local knowledge.

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

NOTE X

Within the 12-nautical mile Territorial Sea, established by Presidential Proclamation, some Federal laws apply. The Three Nautical Mile Line, previously identified as the outer limit of the territorial sea, is retained as it continues to depict the jurisdictional limit of the other laws. The 9-nautical mile Natural Resource Boundary off the Gulf coast of Florida, Texas, and Puerto Rico, and the Three Nautical Mile Line elsewhere remain in most cases the inner limit of Federal fisheries jurisdiction and the outer limit of the jurisdiction of the states. The 24-nautical mile Contiguous Zone and the 200-nautical mile Exclusive Economic Zone were established by Presidential Proclamation. Unless fixed by treaty or the U.S. Supreme Court, these maritime limits are subject to modification.



4

Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

~~SCALE 1:40,000~~

Nautical Miles

1 ½ 0 1 2 3

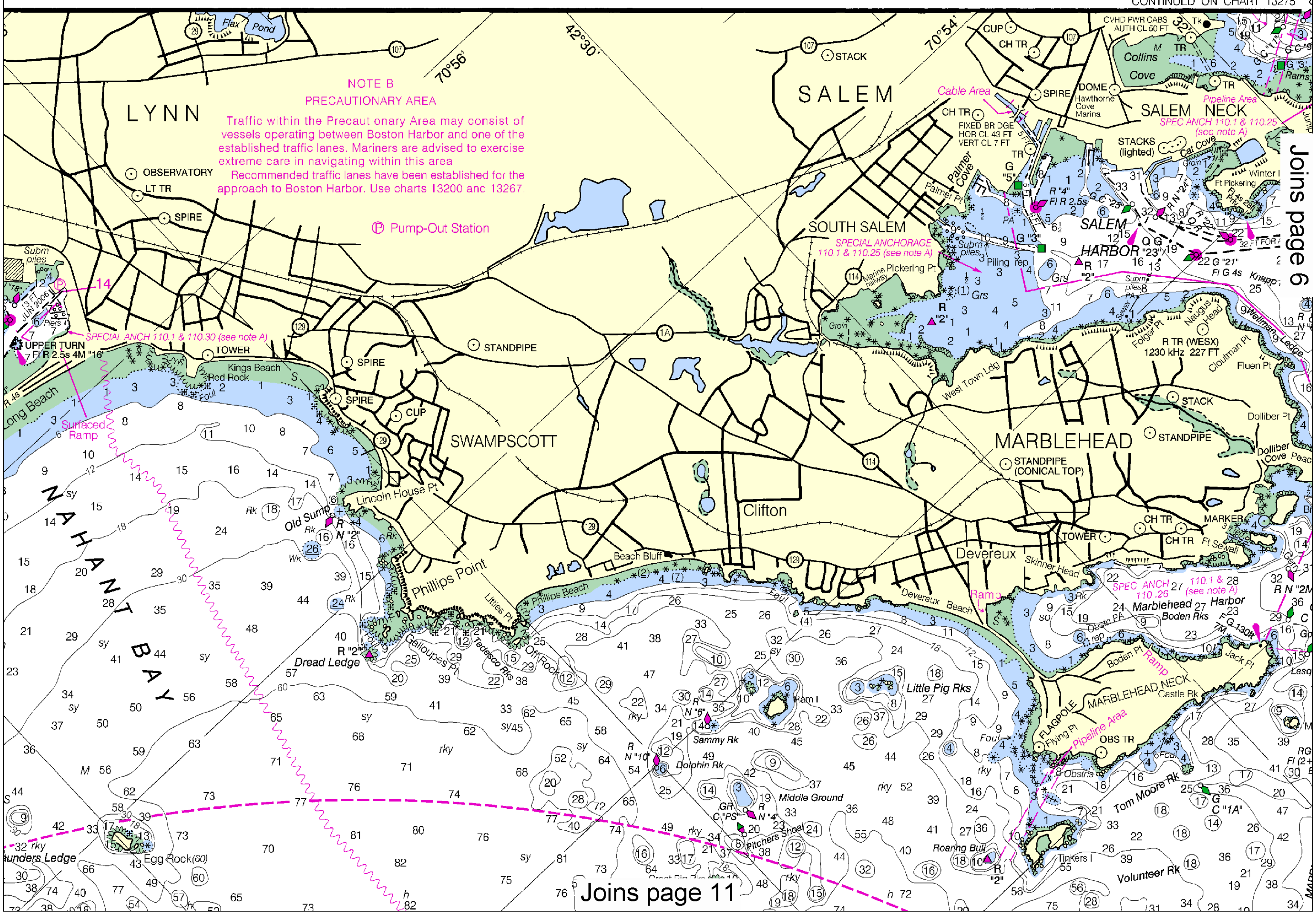
Yards

1000 0 1000 2000 3000 4000 5000

See Note on page 5.

NO	SMALL CRAFT FACILITY	DEPTHS: CHART SIDE	APPROACH-FEET (REPORTED)	ALONGSIDE-FEET (REPORTED)	SERVICES: BERTHS-MOORINGS-ELECTRICITY (TRANSIENTS)	RAMP SURFACED-NATURAL	REPAIRS HULL-MOTOR-RADIO	MARINE RAILWAY-FEET	LIFT CAPACITY-TONS	BOAT RENTAL CANOE-ROW-MOTOR-KAYAK
14	SEAPORT LANDING	B	20	20	BME	S	HMR	25	20	CRM
35	CROCKER'S BOATYARD INC.	B	8	6	BME		HMR		35	
36	MANCHESTER MARINE	B	8	8	BME		HMR		35	
38	CAPE ANN MARINA RESORT	B	20	12	B E		HMR			
39	GLOUCESTER MARINA	B	8	8	B E		HM	40	15	
43	GLOUCESTER YANKEE MARINE	B	12	10	B E	S	HMR	50	35	
60	RIVERFRONT MARINA	A	3	7	BME		HM		10	M
76A	SLAVIT SHIPYARD	A	4	10	BME	SN	HM	140	20	
81	HAMPTON RIVER MARINA	A	6	6	BME		HM		25	

THE LOCATIONS OF THE ABOVE PUBLIC MARINE FACILITIES ARE SHOWN ON THE CHART
THE TABULATED "APPROACH-FEET (REPORTED)" IS THE DEPTH AVAILABLE FROM THE NEAREST N
THE TABULATED "PUMP-OUT STATION" IS DEFINED AS FACILITIES AVAILABLE FOR PU



This BookletChart was reduced to 75% of the original chart scale.
The new scale is 1:53333. Barscales have also been reduced and are accurate when used to measure distances in this BookletChart.

T FACILITY	TIDE	APPROACH-FEET (REPORTED)	ALONGSIDE-FEET (REPORTED)	BERTHS-MOORINGS-ELECTRICITY (TRANSIENTS)	RAMP SURFACED-NATURAL	REPAIRS HULL-MOTOR-RADIO	MARINE RAILWAY-FEET	LIFT CAPACITY-TONS	BOAT RENTAL CANOE-ROW-MOTOR-KAYAK	BOAT RENTAL CHARTER-HOUSE-SAIL	FOOD-LODGING-CAMPING	TOILETS-SHOWERS-LAUNDRY PUMP-OUT STATION	WINTER STORAGE WET-DRY	NAUTICAL CHART SALES	WATER-ICE	GROCERIES-HARDWARE	BAIT-TACKLE	DIESEL OIL-GASOLINE
G	B	20	20	BME	S	HMR	25	20	CRM	C S	FLC	TSLP	WD	C	WI	GH	BT	DG
YARD INC.	B	8	6	BME		HMR		35				T P	WD		W	H		DG
ARINE	B	8	8	BME		HMR		35				TS P	D		WI	H		DG
NA RESORT	B	20	12	B E		HMR					FL	TSLP	WD	C	WI	GH	BT	G
RINA	B	8	8	B E		HM	40	15				TSLP	D	C	I	GH		DG
NKEE MARINE	B	12	10	B E	S	HMR	50	35			FL	TSLP	WD		WI	H	BT	DG
INA	A	3	7	BME		HM		10	M			TS P	D		WI	H		G
)	A	4	10	BME	SN	HM	140	20			F	T P	D		WI	GH		DG
MARINA	A	6	6	BME		HM		25			FL	TSLP	WD	C	WI	G	B	DG

IS OF THE ABOVE PUBLIC MARINE FACILITIES ARE SHOWN ON THE CHART BY MAGENTA NUMBERS AND LEADERS.
DACH-FEET (REPORTED)" IS THE DEPTH AVAILABLE FROM THE NEAREST NATURAL OR DREDGED CHANNEL TO THE FACILITY.
LATED "PUMP-OUT STATION" IS DEFINED AS FACILITIES AVAILABLE FOR PUMPING OUT BOAT HOLDING TANKS.

TIDAL INFORMATION

Near real time water level data, predictions and weather data are available via Internet at http://tidesandcurrents.noaa.gov. Annual predictions of the rise and fall of the tides are available in printed form from private sector printers.

PRINT-ON-DEMAND CHARTS

NOAA and its partner, OceanGrafix, offer this chart updated weekly by NOAA for Notices to Mariners and critical corrections. Charts are printed when ordered using Print-on-Demand technology. New Editions are available 2-8 weeks before their release as traditional NOAA charts. Ask your chart agent about Print-on-Demand charts or contact NOAA at http://ocsdata.ncd.noaa.gov/idrs/inquiry.aspx, or OceanGrafix at 1-877-56CHART or http://www.oceangrafix.com.

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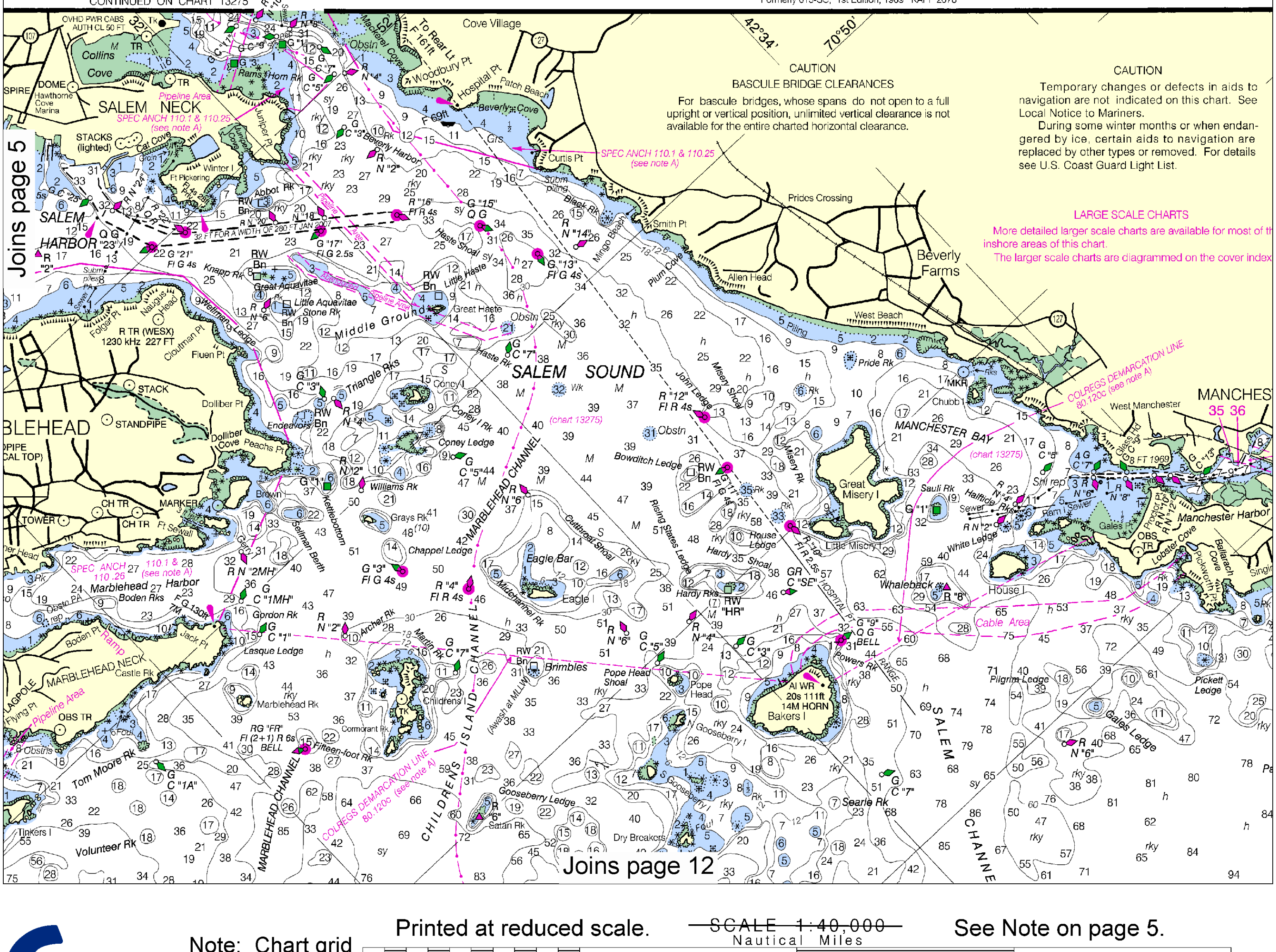
NOTE X

Within the 12-nautical mile Territorial Sea, established by Presidential Proclamation, some Federal laws apply. The Three Nautical Mile Line, previously identified as the outer limit of the territorial sea, is retained as it continues to depict the jurisdictional limit of the other laws. The 9-nautical mile Natural Resource Boundary off the Gulf coast of Florida, Texas, and Puerto Rico, and the Three Nautical Mile Line elsewhere remain in most cases the inner limit of Federal fisheries jurisdiction and the outer limit of the jurisdiction of the states. The 24-nautical mile Contiguous Zone and the 200-nautical mile Exclusive Economic Zone were established by Presidential Proclamation. Unless fixed by treaty or the U.S. Supreme Court, these maritime limits are subject to modification.

CONTINUED ON CHART 13275

Formerly 613-SC, 1st Edition, 1969 KAPP 2078



CAUTION
BASCULE BRIDGE CLEARANCES
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During some winter months or when endangered by ice, certain aids to navigation are replaced by other types or removed. For details see U.S. Coast Guard Light List.
LARGE SCALE CHARTS
More detailed larger scale charts are available for most of th inshore areas of this chart.
The larger scale charts are diagrammed on the cover index
42°34'
70°50'
Joins page 5
Joins page 12
SALEM NECK
SALEM HARBOR
SALEM SOUND
MARBLEHEAD NECK
BLEHEAD
Beverly Harbor
Beverly Cove
Cove Village
Collins Cove
Hospital Pt
Woodbury Pt
Beverly Farms
Prides Crossing
West Beach
Allen Head
Smith Pt
MANCHESTER BAY
Manchester Harbor
West Manchester
MANCHES
35 36
Great Misery I
Little Misery I
Bakers I
Al WR
20s 111ft
14M HORN
MARBLEHEAD CHANNEL
CHILDRENS ISLAND CHANNEL
SALEM CHANNE
Middle Ground
Triangle Rks
Eagle Bar
Childrens I
Gooseberry Ledge
Searle Rk
Pilgrim Ledge
Gales Ledge
Pickett Ledge
Whaleback
House I
Winter I
Ft Pickering
Cat Cove
Great Aquavitae
Little Aquavitae
Coney Ledge
Williams Rk
Brimbles
Fifteen-foot Rk
Marblehead Rk
Tom Moore Rk
Volunteer Rk
Tinkers I
COLREGS DEMARCATION LINE 80.120c (see note A)
SPEC ANCH 110.1 & 110.25 (see note A)
SPEC ANCH 110.1 & 110.26 (see note A)
Pipeline Area
Cable Area
32 FT FOR A WIDTH OF 280 FT JAN 2007
(chart 13275)

Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:40,000

See Note on page 5.

Nautical Miles

1 ½ 0 1 2 3

Yards

1000 0 1000 2000 3000 4000 5000

)AA WEATHER RADIO BROADCASTS

TY	STATION	FREQUENCY	BROADCAST TIMES
rtland, ME	KDO-95	162.550 MHz	24 hours daily
ston, MA	KHB-35	162.475 MHz	24 hours daily
sex Marine, MA	WNG-574	162.425 MHz	24 hours daily
atham, NH	KZZ-40	162.450 MHz	24 hours daily

ARINE WEATHER FORECASTS

TIONAL WEATHER SERVICE	TELEPHONE NUMBER	OFFICE HOURS
rtland (Gray), ME	(207) 688-3216	7:00 AM - 5:00 PM M-F
	* (207) 688-3210	24 hours daily
ston/Taunton, MA	(508) 828-2672	8:00 AM - 5:00 PM M-F
	* (508) 822-0634	24 hours daily
w York/Upton, NY	(516) 926-0517	9:00 AM - 5:00 PM M-F Recorded forecast only other times.

Recorded

TIDAL INFORMATION

PLACE NAME	(LAT/LONG)	Height referred to datum of soundings (MLLW) Mean Higher High Water	Mean High Water	Mean Low Water
		feet	feet	feet
Atlantic Heights	(43°05'N/70°46'W)	8.2	7.8	0.3
Plum Island	(42°49'N/70°49'W)	8.7	8.3	0.3
Newburyport	(42°49'N/70°52'W)	8.5	8.1	0.3
Plum Island Sound	(42°43'N/70°47'W)	9.3	8.9	0.3
Annisquam	(42°39'N/70°41'W)	9.6	9.1	0.3
Rockport	(42°40'N/70°37'W)	9.5	9.0	0.3
Salem	(42°31'N/70°53'W)	9.7	9.3	0.3
Lynn	(42°28'N/70°57'W)	9.9	9.5	0.3
Deer Island	(42°21'N/70°58'W)	10.0	9.6	0.3
Charlestown	(42°22'N/71°03'W)	10.2	9.8	0.3
Seapoint	(43°05'N/70°40'W)	9.5	9.1	0.3
Gerrish Island	(43°04'N/70°42'W)	9.5	9.0	0.3
Seavey Island	(43°05'N/70°45'W)	8.9	8.5	0.3
Portsmouth	(43°05'N/70°45'W)	8.5	8.1	0.3
Fort Point	(43°04'N/70°43'W)	9.4	9.0	0.3
Jaffrey Point	(43°03'N/70°43'W)	9.5	9.0	0.3
Hampton Harbor	(42°54'N/70°49'W)	9.0	8.6	0.3
Boston	(42°21'N/71°03'W)	10.3	9.8	0.3
Essex	(42°38'N/70°47'W)	9.9	9.5	0.3
Gloucester Harbor	(42°37'N/70°40'W)	9.6	9.1	0.3
Merrimacport	(42°50'N/70°59'W)	7.7	7.2	0.2
Salisbury Point	(42°50'N/70°55'W)	8.3	7.8	0.2
Riverside	(42°46'N/71°05'W)	6.3	5.8	0.1

Dashes (- - -) located in datum columns indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tidal current predictions are available on the Internet from http://tidesandcurrents.noaa.gov.

(Feb 2011)

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JOINS S

RACING BUOYS

Racing buoys within the limits of this chart are not shown hereon. Information may be obtained from the U.S. Coast Guard District Offices as racing and other private buoys are not all listed in the U.S. Coast Guard Light List.

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

CAUTION

Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

CAUTION

Fixed and floating obstructions, some submerged, may exist within the magenta tinted bridge construction area. Mariners are advised to proceed with caution.

CAUTION

Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Geospatial-Intelligence Agency Publication 117.

Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.

Station positions are shown thus:
⊙(Accurate location) o(Approximate location)

CAUTION

Small craft should stay clear of large commercial and government vessels even if small craft have the right-of-way.

All craft should avoid areas where the skin divers flag, a red square with a diagonal white stripe, is displayed.

CAUTION

Mariners are warned to stay clear of the protective riprap surrounding navigational light structures shown thus:

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 1. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 1st Coast Guard District in Boston, MA or at the Office of the District Engineer, Corps of Engineers in Concord, MA.

Refer to charted regulation section numbers.

NOTE Z

NO-DISCHARGE ZONE, 40 CFR 140

Under the Clean Water Act, Section 312, all vessels operating within a No-Discharge Zone (NDZ) are completely prohibited from discharging any sewage, treated or untreated, into the waters. All vessels with an installed marine sanitation device (MSD) that are navigating, moored, anchored, or docked within a NDZ must have the MSD disabled to prevent the overboard discharge of sewage (treated or untreated) or install a holding tank. Regulations for the NDZ are contained in the U.S. Coast Pilot. Additional information concerning the regulations and requirements may be obtained from the Environmental Protection Agency (EPA) web site: http://www.epa.gov/owow/oceans/regulatory/vessel_sewage/.

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

CAUTION

SUBMARINE PIPELINES AND CABLES

Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown as:

Pipeline Area — Cable Area

Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging or trawling.

Covered wells may be marked by lighted or unlighted buoys.

CAPE

Joins page 13

Joins page 8

This BookletChart has been updated through: Coast Guard Local Notice To Mariners: 0613 2/5/2013,
NGA Weekly Notice to Mariners: 0713 2/16/2013,
Canadian Coast Guard Notice to Mariners: 1112 11/30/2012.

CAUTION

This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial-Intelligence Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner. Chart updates corrected from Notice to Mariners published after the dates shown in the lower left hand corner are available at nauticalcharts.noaa.gov.

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

FACILITIES

Locations of public marine facilities are shown by large magenta numbers with leaders and refer to the facility tabulation.

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Chief, Marine Chart Division (N/CS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3282.

PUBLIC BOATING INSTRUCTION PROGRAMS

The United States Power Squadrons (USPS) and U.S. Coast Guard Auxiliary (USCGAUX), national organizations of boatmen, conduct extensive boating instruction programs in communities throughout the United States. For information regarding these educational courses, contact the following sources:

USPS - Local Squadron Commander or USPS Headquarters, Post Office Box 30423, Raleigh, N.C. 26622-0423, Tel. (919) 821-0281.

USCGAUX - 1st Coast Guard District, 408 Atlantic Ave., Boston, MA 02110-2209, Tel. (617) 223-8310 or USCG Headquarters (G-BAU), Washingon, D.C. 20593-0001.

For Symbols and Abbreviations see Chart No. 1

COLREGS: International Regulations for Preventing Collisions at Sea, 1972.
Demarcation lines are shown thus: – – – –

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System of 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.341" northward and 1.818" eastward to agree with this chart.

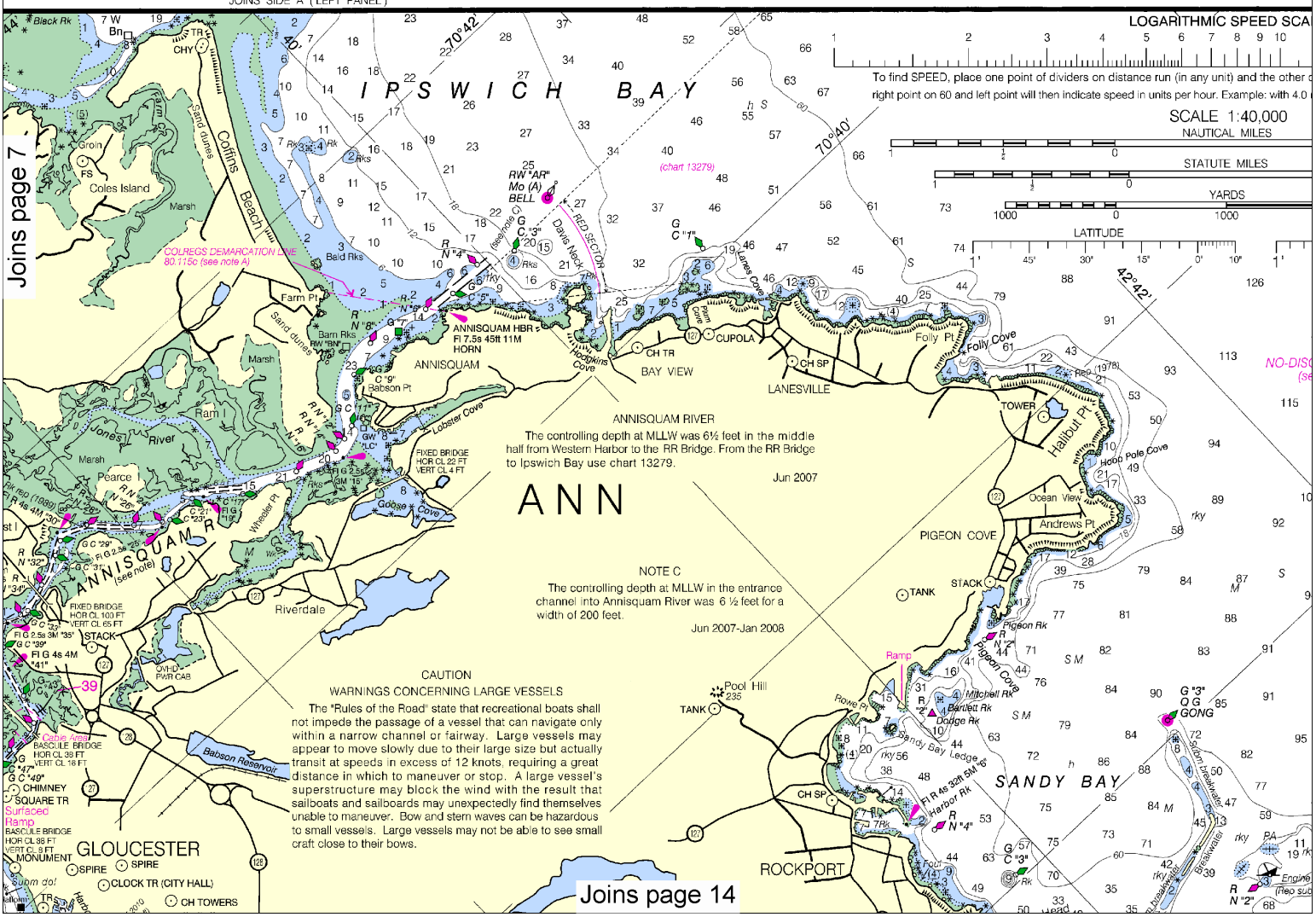
RULES OF THE ROAD
(ABRIDGED)

Motorless craft have the right-of-way in almost all cases.
Sailing vessels and motorboats less than sixty-five feet in length shall not hamper, in a narrow channel, the safe passage of a vessel which can navigate only inside that channel.
A motorboat being overtaken has the right-of-way.
Motorboats approaching head to head or nearly so should pass port to port.
When motorboats approach each other at right angles or obliquely, the boat on the right has the right-of-way in most cases.
Motorboats must keep to the right in narrow channels when safe and practicable.
Mariners are urged to become familiar with the complete text of the Rules of the Road in U.S. Coast Guard publication "Navigation Rules."

ndings (MLLW)
Mean Low Water
feet
0.3
0.3
0.3
0.3
0.3
0.3
0.3
0.3
0.3
0.3
0.3
0.3
0.3
0.3
0.3
0.3
0.3
0.3
0.2
0.2
0.1

e water levels, .noaa.gov.

JOINS SIDE A (LEFT PANEL)



8

Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

~~SCALE 1:40,000~~
Nautical Miles
1 ½ 0 1 2 3

Yards
1000 0 1000 2000 3000 4000 5000

See Note on page 5.

NAUTICAL CHART 13274

THE NATION'S CHARTMAKER SINCE 1807

MAINE - NEW HAMPSHIRE
MASSACHUSETTS

PORTSMOUTH HARBOR TO BOSTON HARBOR

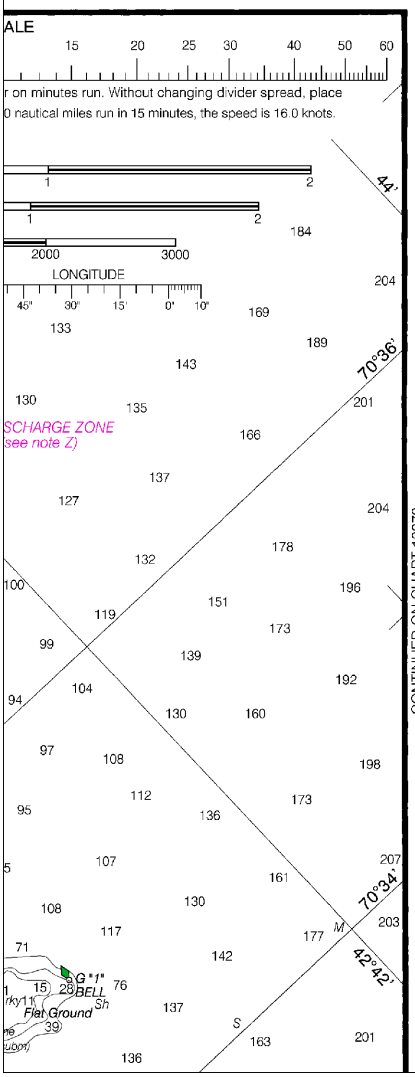


Chart 13274 28th Ed., Apr. /11 ■
Corrected through NM Apr. 9/11, LNM Mar. 29/11

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

Mercator Projection, Scale 1:40,000 at Lat. 42° 40'
SOUNDINGS IN FEET AT MEAN LOWER LOW WATER
North American Datum of 1983
(World Geodetic System 1984)

Additional information can be obtained at nauticalcharts.noaa.gov.

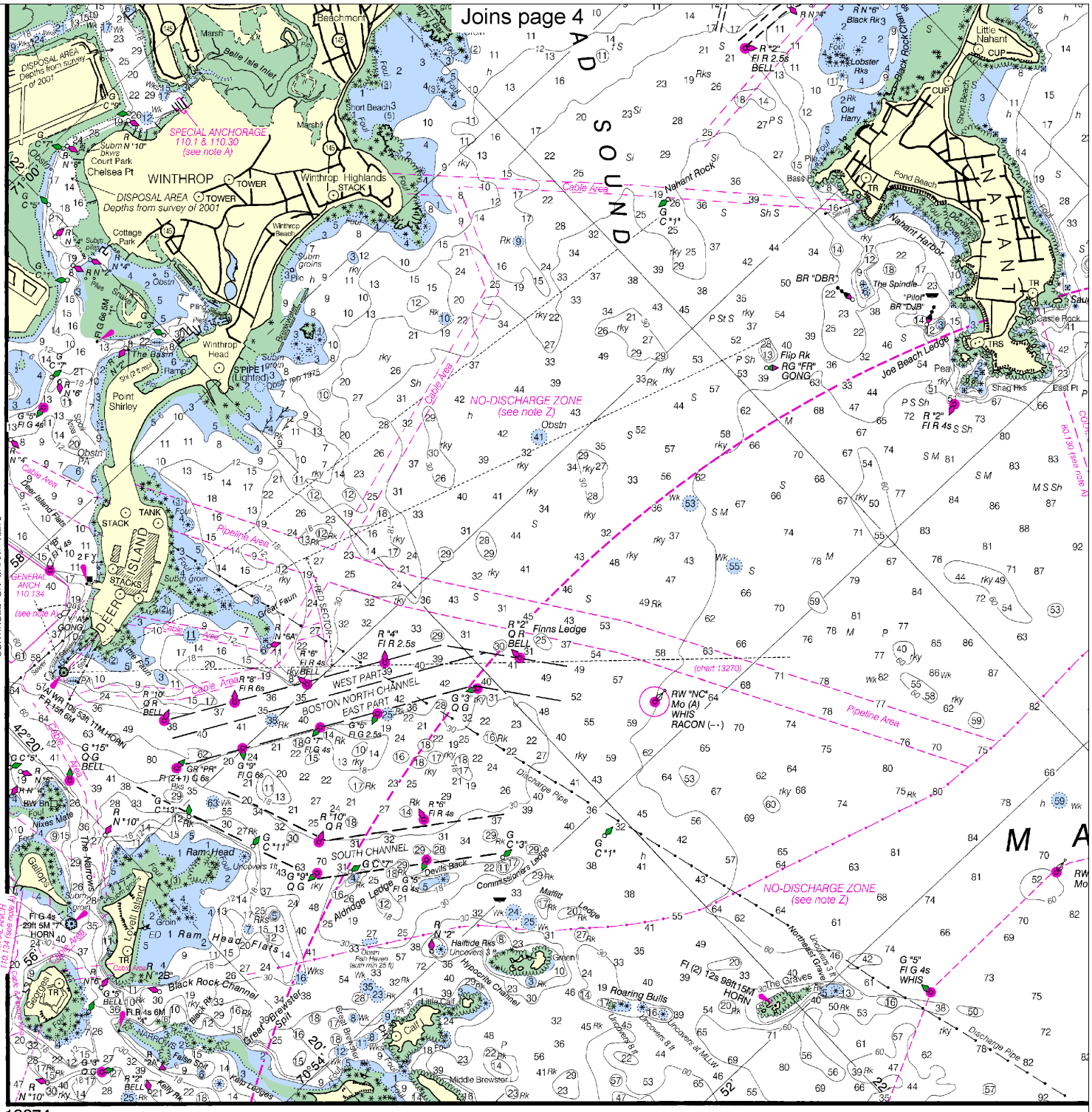
HEIGHTS
Heights in feet above Mean High Water.

AUTHORITIES
Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 1 for important supplemental information.

Joins page 15

SIDE



13274 28th Ed., Apr. /11; Corrected through NM Apr. 9/11, LNM Mar. 29/11

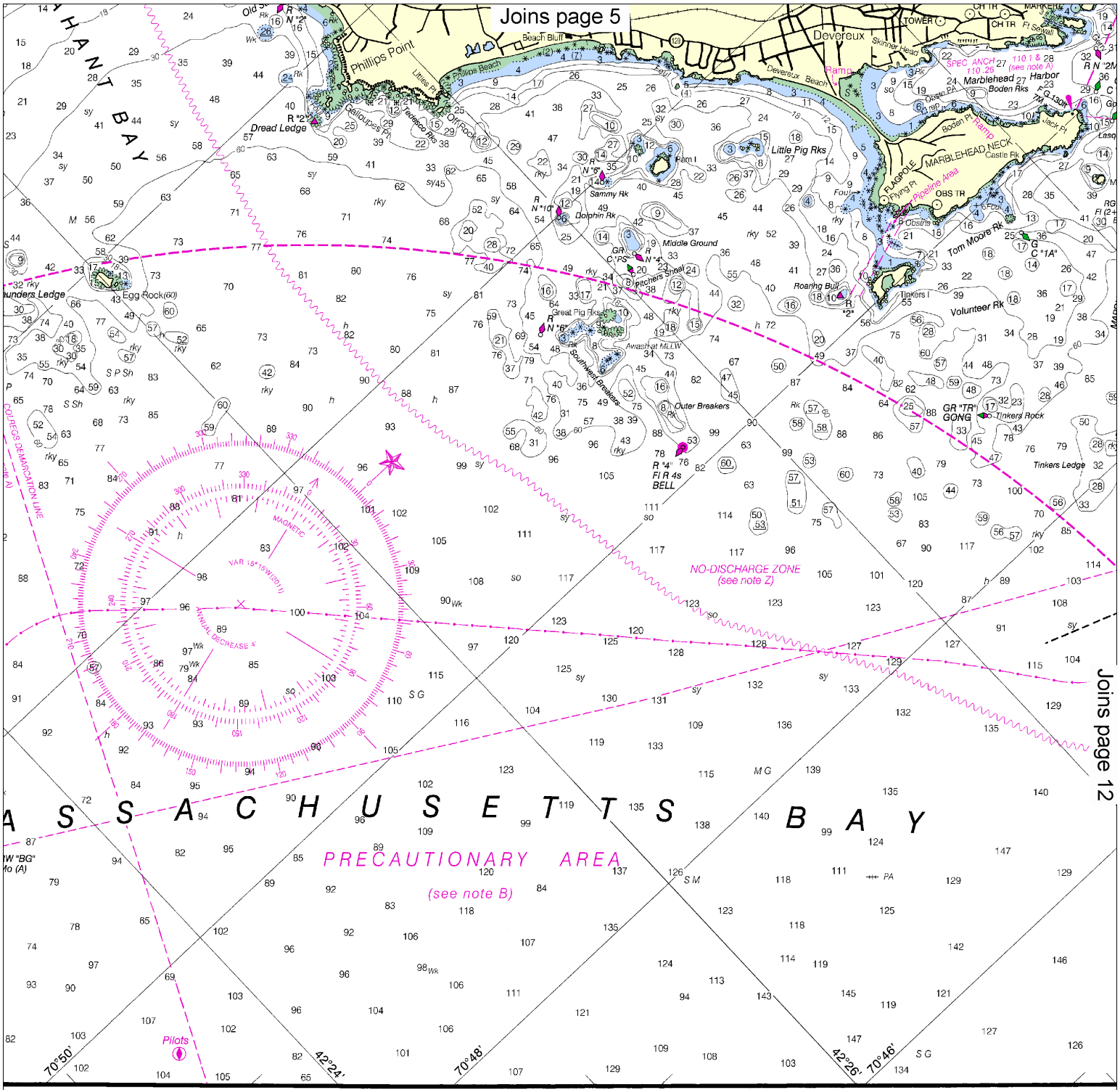
Note: Chart grid lines are aligned with true north.

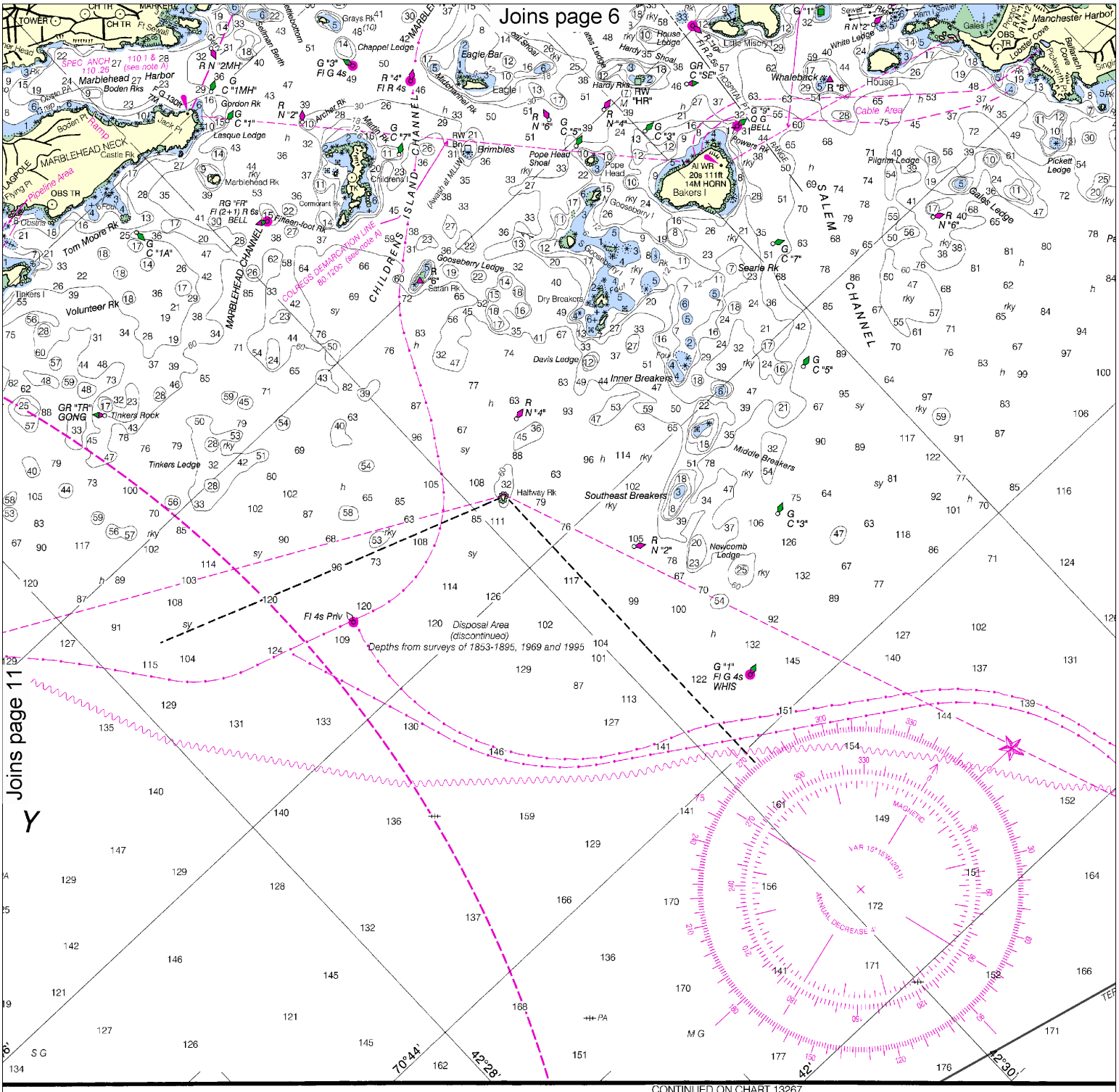
Printed at reduced scale. ~~SCALE 1:40,000~~

Nautical Miles: 1 ½ 0 1 2 3

Yards: 1000 0 1000 2000 3000 4000 5000

See Note on page 5.

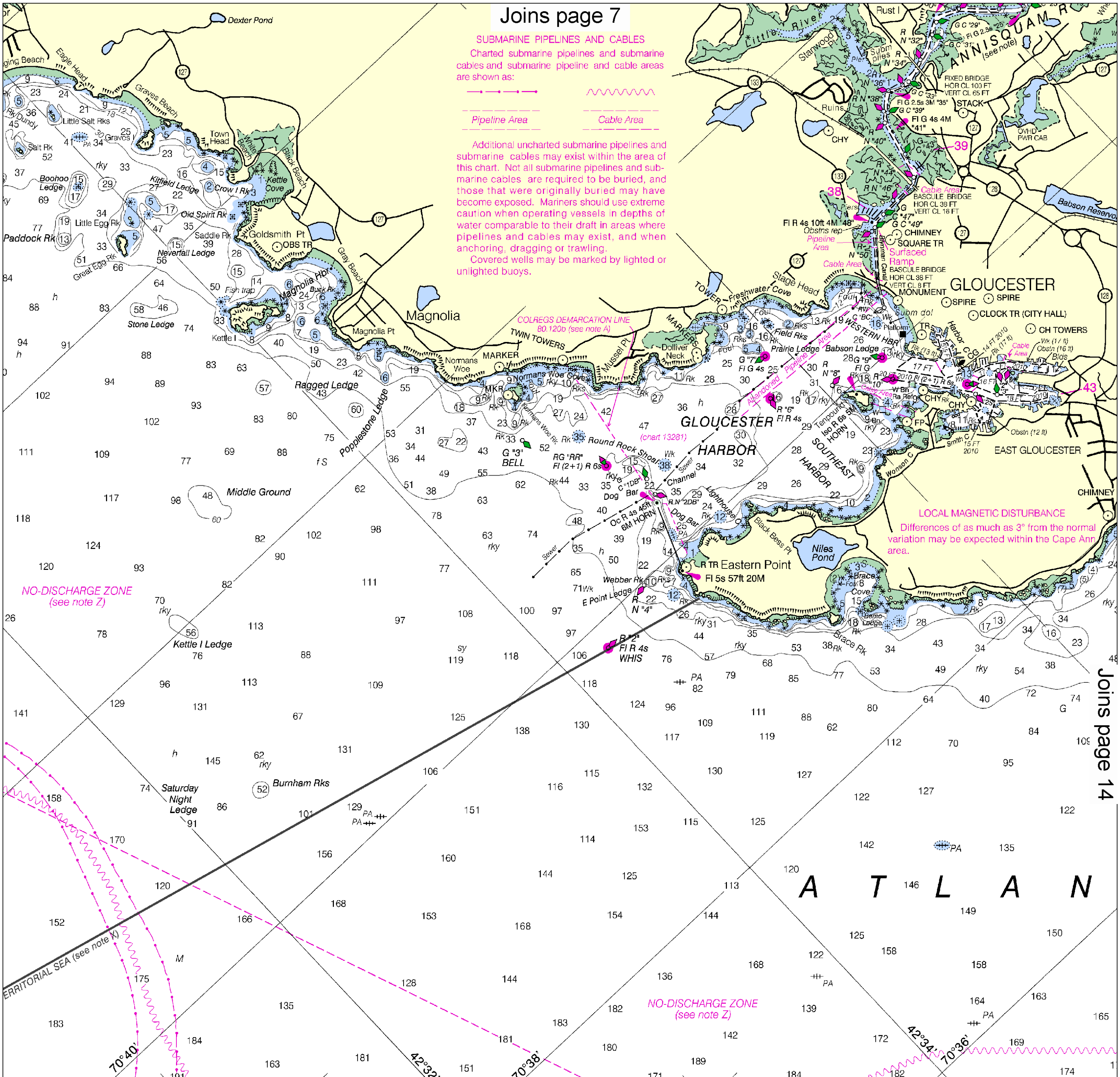

Joins page 5
Joins page 12
Joins page 17
MASSACHUSETTS BAY
PRECAUTIONARY AREA
(see note B)
NO-DISCHARGE ZONE
(see note Z)
Phillips Point
Devereux
Marblehead Harbor
MARBLEHEAD NECK
Dread Ledge
Egg Rock
Little Pig Rks
Middle Ground
Roaring Bull
Tinkers Ledge
Tinkers Rock
Volunteer Rk
Tom Moore Rk
Pipeline Area
Outer Breakers
Southwest Breakers
Dolphin Rk
Sammy Rk
Great Pig Rks
Pilots
70°50'
42°24'
70°48'
42°26'
70°46'



12

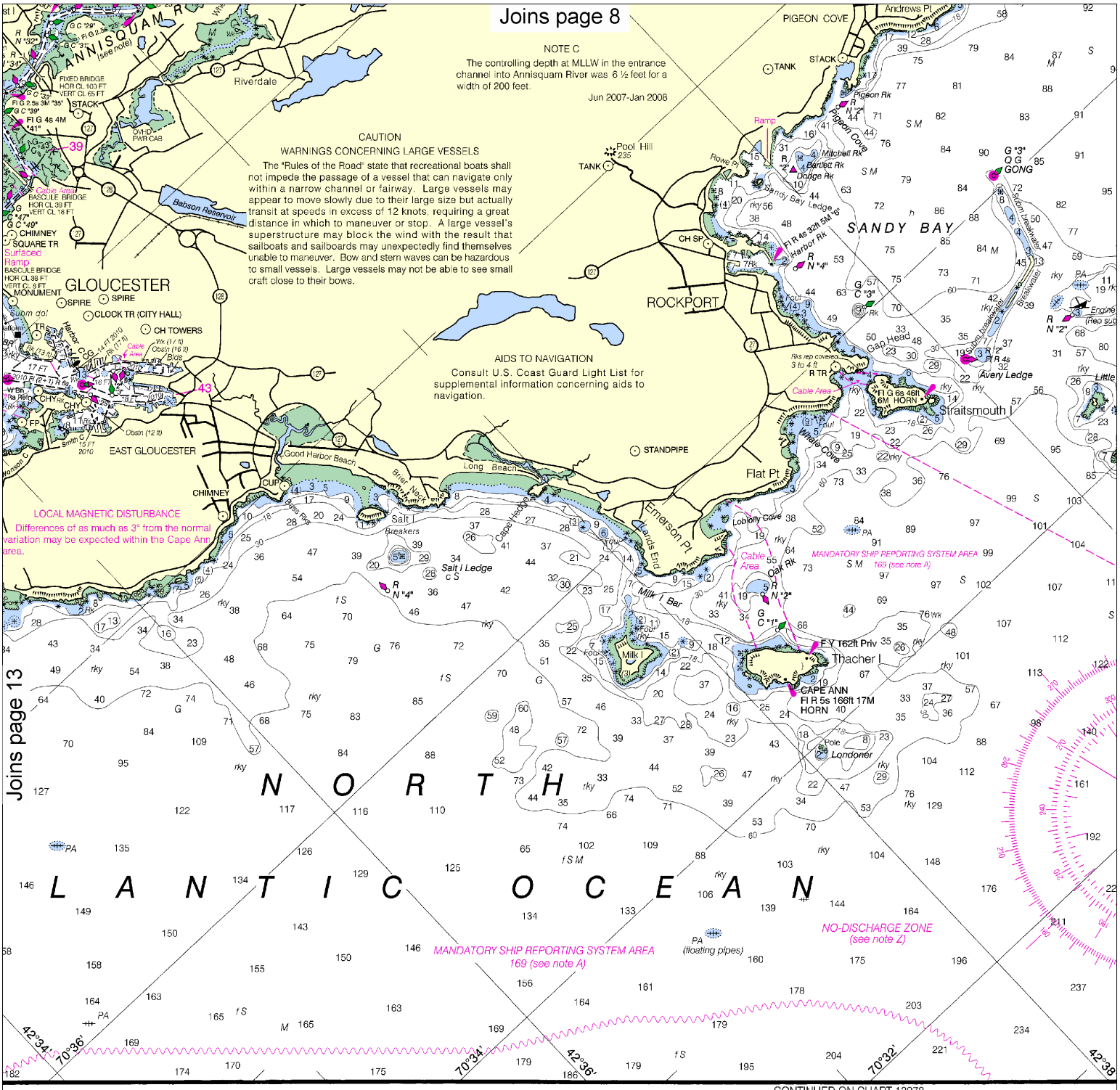
Note: Chart grid lines are aligned with true north.

Joins page 7



Joins page 14

Joins page 19



Note: Chart grid lines are aligned with true north.

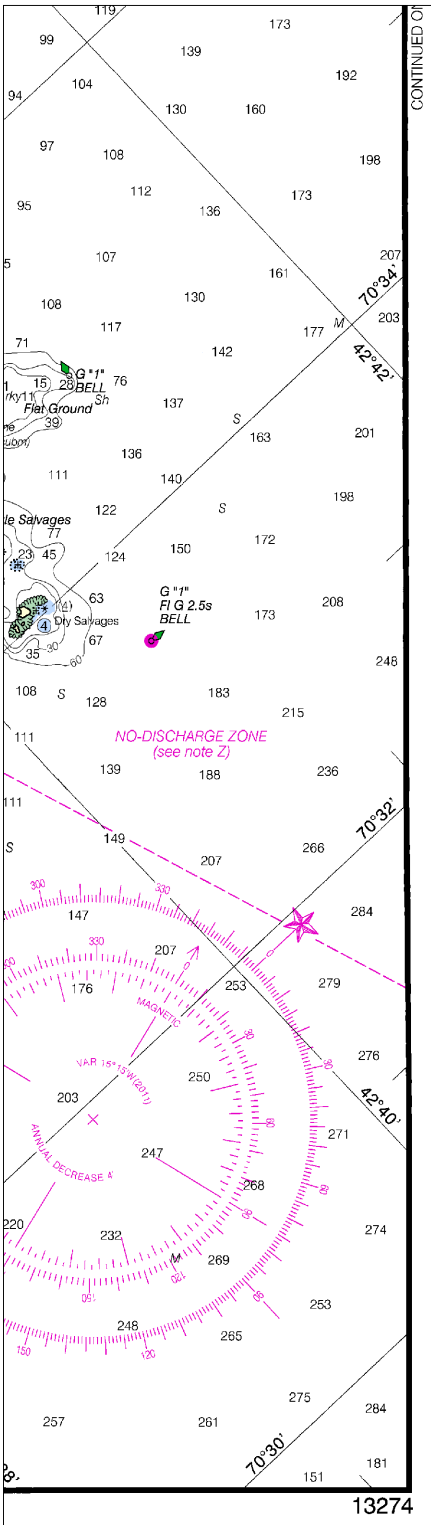
Printed at reduced scale. ~~SCALE 1:40,000~~

Nautical Miles: 1 ½ 0 1 2 3

Yards: 1000 0 1000 2000 3000 4000 5000

See Note on page 5.

Joins page 9



U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

Mercator Projection, Scale 1:40,000 at Lat. 42° 40'
SOUNDINGS IN FEET AT MEAN LOWER LOW WATER
North American Datum of 1983
(World Geodetic System 1984)

Additional information can be obtained at nauticalcharts.noaa.gov.

HEIGHTS
Heights in feet above Mean High Water.

AUTHORITIES
Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

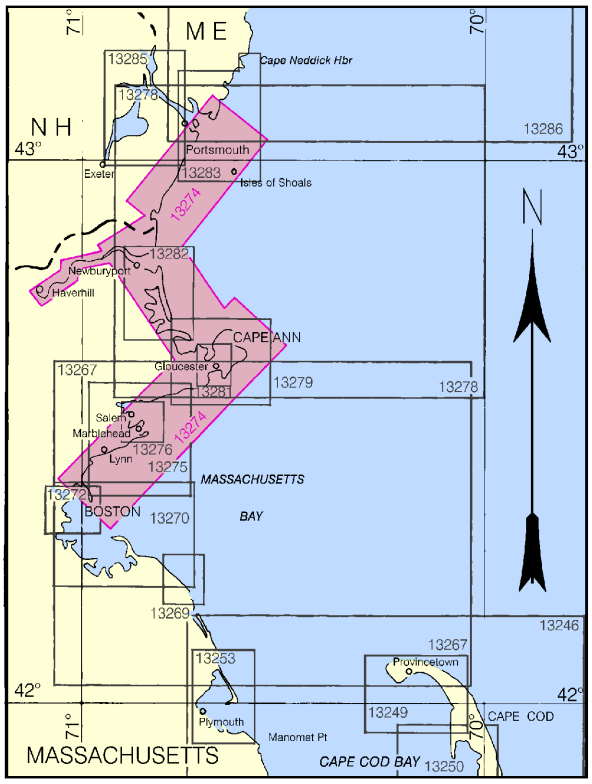
SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 1 for important supplemental information.

SIDE B

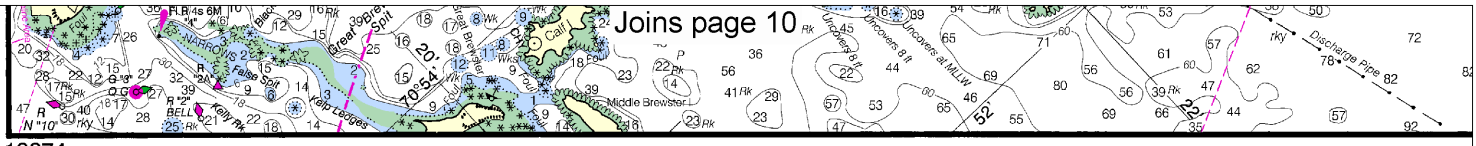
NSN 7642014010463
NGA REFERENCE NO. 13XHA13274

ED. NO. 28

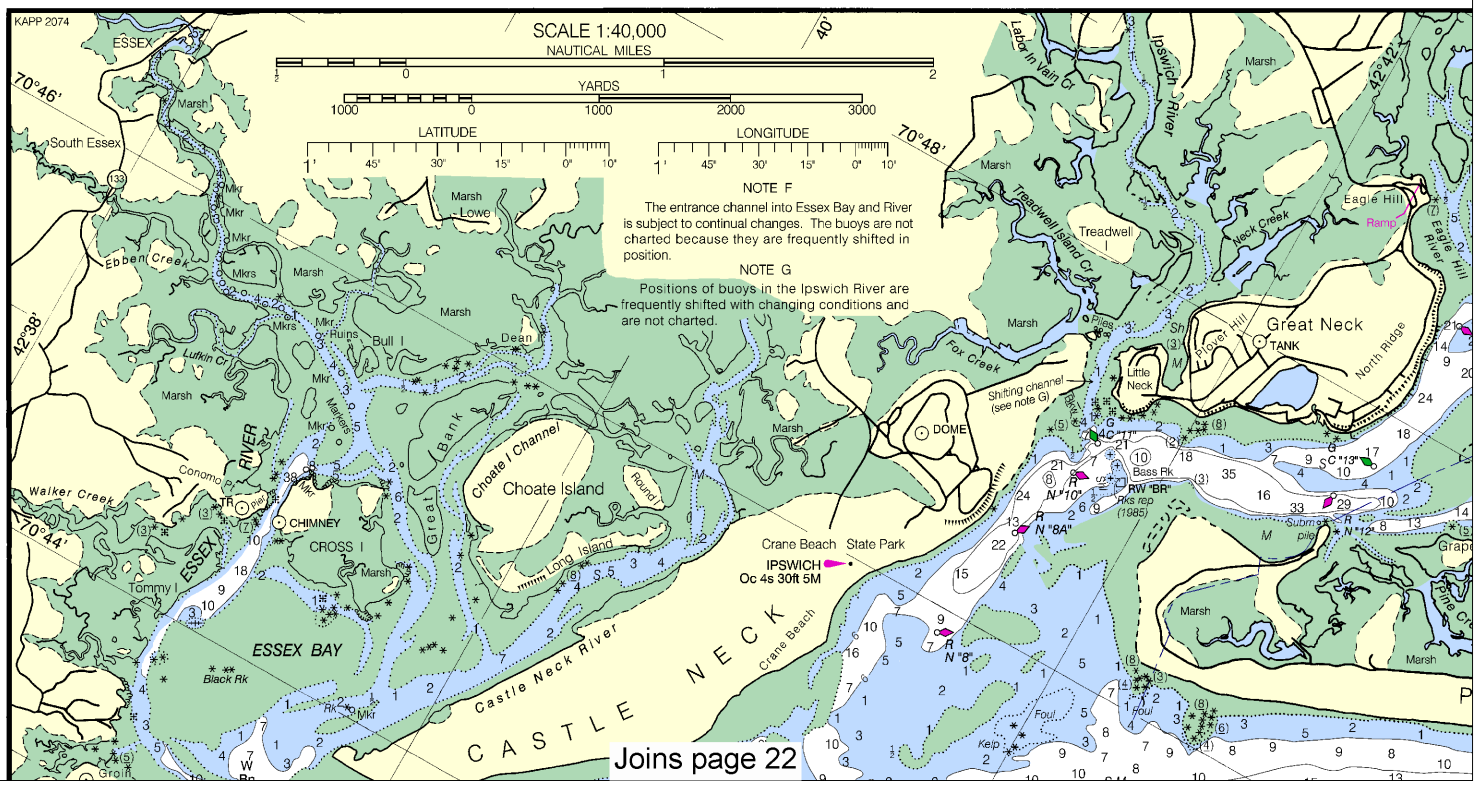
NAUTICAL CHART DIAGRAM



Joins page 21



13274 28th Ed., Apr. /11; Corrected through NM Apr. 9/11, LNM Mar. 29/11



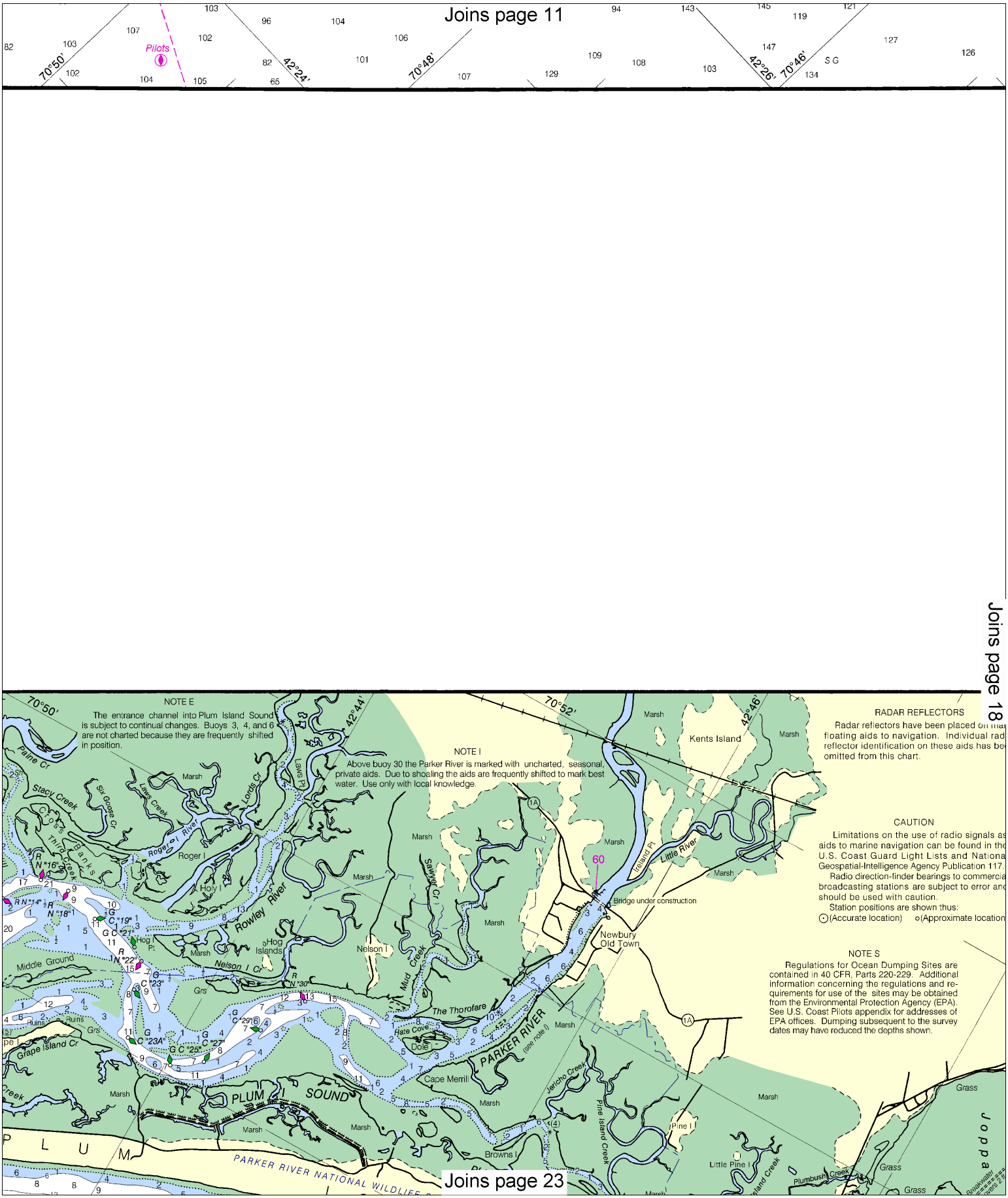
Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:40,000~~

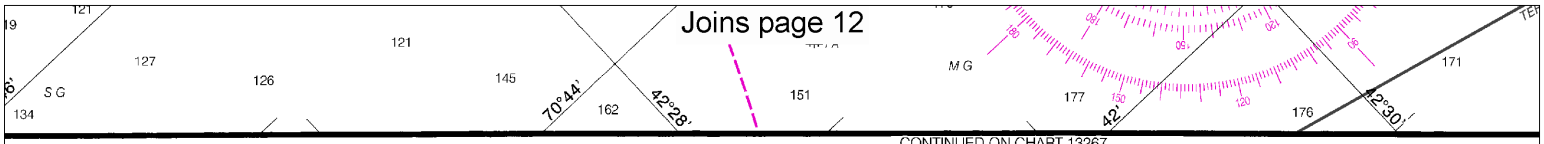
Nautical Miles

Yards

See Note on page 5.


Joins page 11
Pilots
70°50'
42°24'
70°48'
42°26'
70°46'
S G
NOTE E
The entrance channel into Plum Island Sound is subject to continual changes. Buoys 3, 4, and 6 are not charted because they are frequently shifted in position.
NOTE I
Above buoy 30 the Parker River is marked with uncharted, seasonal private aids. Due to shoaling the aids are frequently shifted to mark best water. Use only with local knowledge.
RADAR REFLECTORS
Radar reflectors have been placed on mar floating aids to navigation. Individual rad reflector identification on these aids has be omitted from this chart.
CAUTION
Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Geospatial-Intelligence Agency Publication 117.
Radio direction-finder bearings to commercia broadcasting stations are subject to error and should be used with caution.
Station positions are shown thus:
⊙(Accurate location) ○(Approximate location
NOTE S
Regulations for Ocean Dumping Sites are contained in 40 CFR, Parts 220-229. Additional information concerning the regulations and requirements for use of the sites may be obtained from the Environmental Protection Agency (EPA). See U.S. Coast Pilots appendix for addresses of EPA offices. Dumping subsequent to the survey dates may have reduced the depths shown.
Paine Cr
Stacy Creek
Six Goose Cr
Lewis Creek
Lords Cr
Laws Pt
Roger I River
Roger I
Holy I
Cross Banks
Third Creek
Rowley River
Hog Pt
Hog Islands
Middle Ground
Nelson I Cr
Nelson I
Mud Creek
Sawyer Cr
The Thorofare
Hate Cove
Dole I
PARKER RIVER
(see note I)
Grape Island Cr
Cape Merrill
Jericho Creek
PLUM I
SOUND
Browns I
PARKER RIVER NATIONAL WILDLIFE
Kents Island
Island Pt
Little River
60
Bridge under construction
Newbury
Old Town
Pine Island Creek
Pine I
Little Pine I
Plumbush Creek
Joppa
Grass
Marsh
Grs
Ruins
Joins page 23
Joins page 18

Joins page 12



CONTINUED ON CHART 13267

Joins page 17

CONTINUED ON MERRIMACK RIVER EXTENSIONS

Formerly 613-SC, 1

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

CAUTION

Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Geospatial-Intelligence Agency Publication 117.

Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.

Station positions are shown thus:
⊙(Accurate location) o(Approximate location)

NOTE S

gulations for Ocean Dumping Sites are ed in 40 CFR, Parts 220-229. Additional tion concerning the regulations and re- nts for use of the sites may be obtained Environmental Protection Agency (EPA). . Coast Pilots appendix for addresses of ces. Dumping subsequent to the survey ay have reduced the depths shown.

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

During some winter months or when endangered by ice, certain aids to navigation are replaced by other types or removed. For details see U.S. Coast Guard Light List.

LOCAL MAGNETIC DISTURBANCE

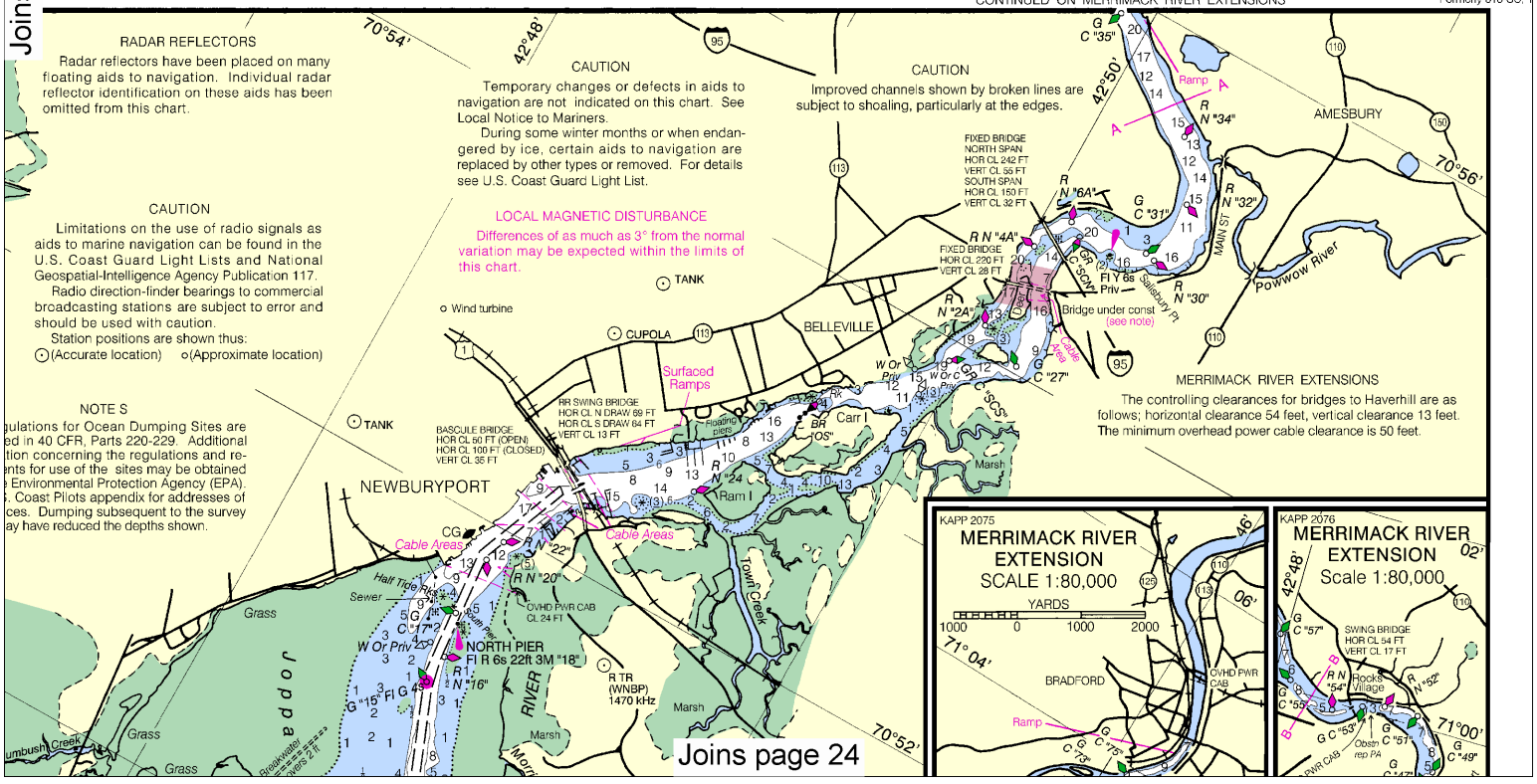
Differences of as much as 3° from the normal variation may be expected within the limits of this chart.

CAUTION

Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

MERRIMACK RIVER EXTENSIONS

The controlling clearances for bridges to Haverhill are as follows; horizontal clearance 54 feet, vertical clearance 13 feet. The minimum overhead power cable clearance is 50 feet.



Joins page 24

Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

~~SCALE 1:40,000~~

Nautical Miles

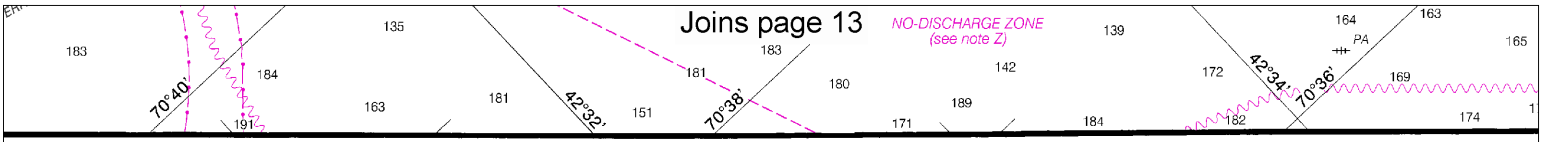
1 ½ 0 1 2 3

Yards

1000 0 1000 2000 3000 4000 5000

See Note on page 5.

Joins page 13



Joins page 20

1st Edition, 1969

KAPP 2077

RACING BUOYS

Racing buoys within the limits of this chart are not shown hereon. Information may be obtained from the U.S. Coast Guard District Offices as racing and other private buoys are not all listed in the U.S. Coast Guard Light List.

NOTE H

Trawlers or other vessels should exercise caution while dragging the ocean floor within a 6.7 mile radius of Isles of Shoals Light since it is known that JATO racks and associated debris exist in the area.

AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

CAUTION

BASCULE BRIDGE CLEARANCES

For bascule bridges, whose spans do not open to a full upright or vertical position, unlimited vertical clearance is not available for the entire charted horizontal clearance.

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 1. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 1st Coast Guard District in Boston, MA or at the Office of the District Engineer, Corps of Engineers in Concord, MA.

Refer to charted regulation section numbers.

LARGE SCALE CHARTS

More detailed larger scale charts are available for most of the inshore areas of this chart.

The larger scale charts are diagrammed on the cover index.

Ⓟ Pump-out facilities

LOGARITHM

To find SPEED, place one point of dividers on distance run (in any right point on 60 and left point will then indicate speed in units per hou

SCAL

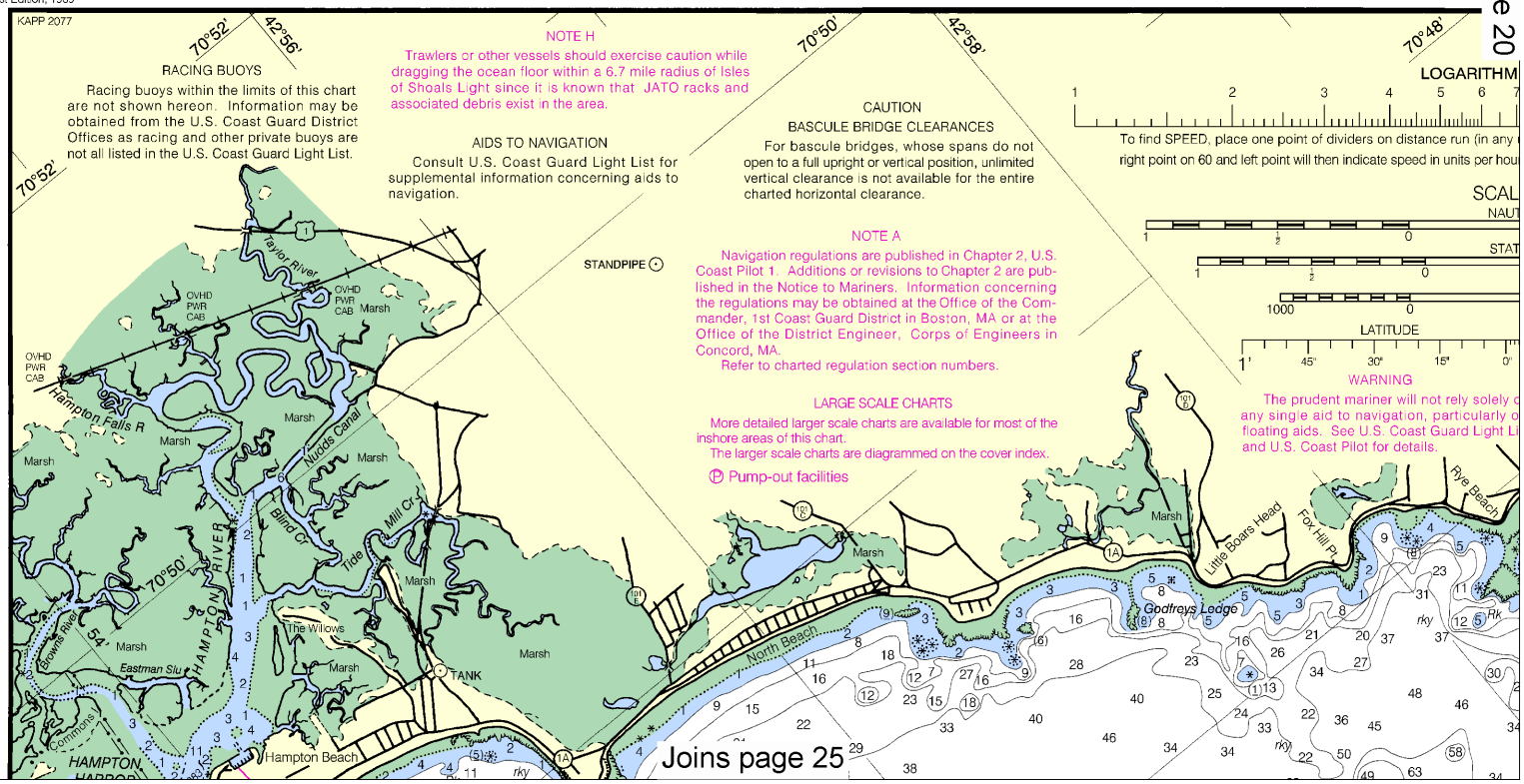
NAUT

STAT

LATITUDE

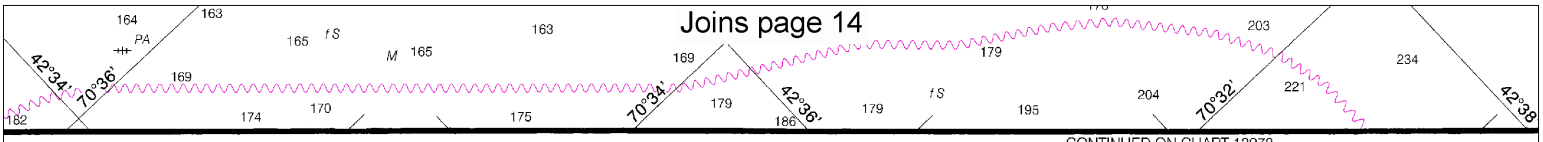
WARNING

The prudent mariner will not rely solely any single aid to navigation, particularly floating aids. See U.S. Coast Guard Light Li and U.S. Coast Pilot for details.



Joins page 25

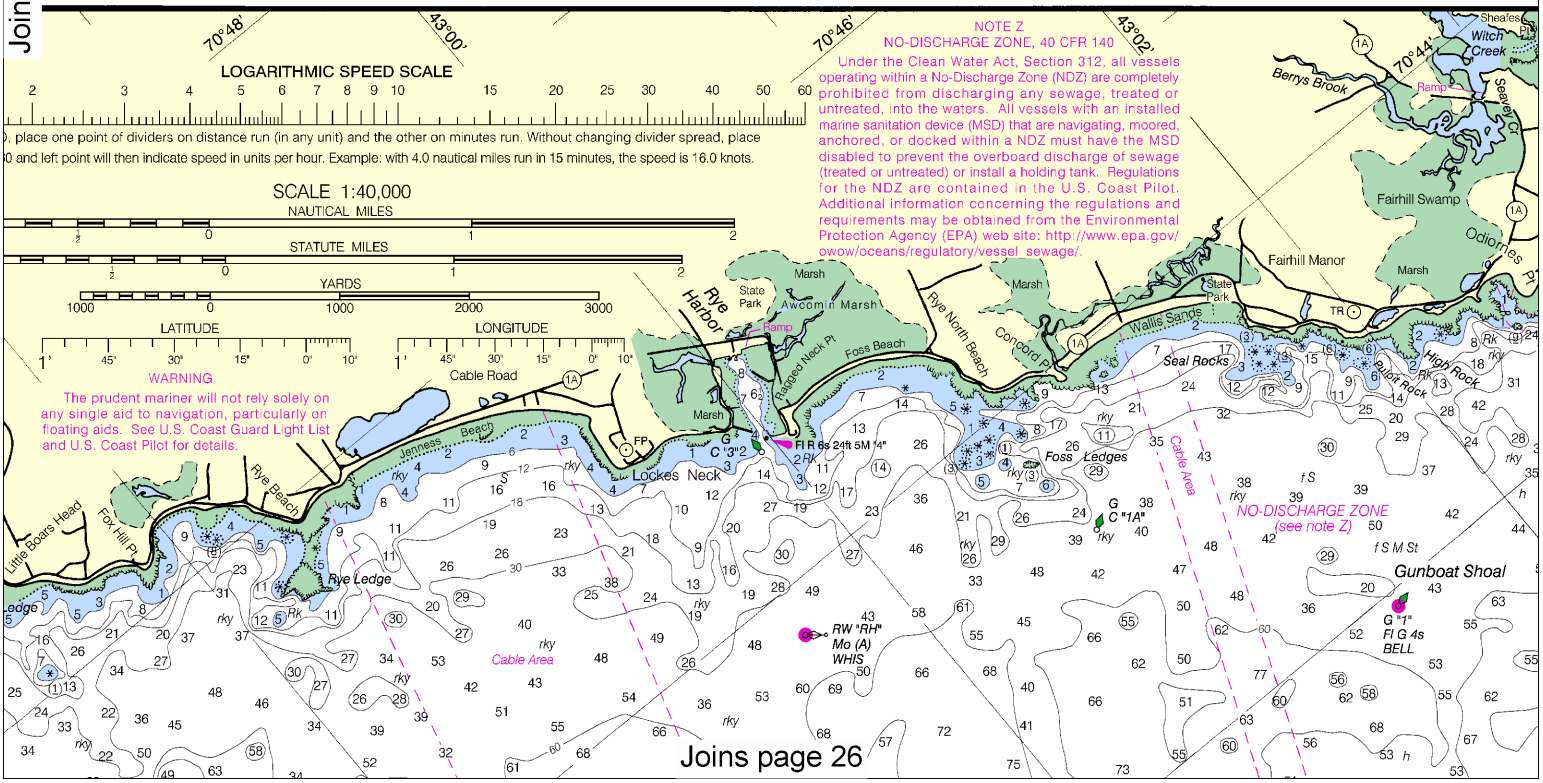
Joins page 14



CONTINUED ON CHART 13278

Joins page 19

CONTINUE



Joins page 26

Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

~~SCALE 1:40,000~~

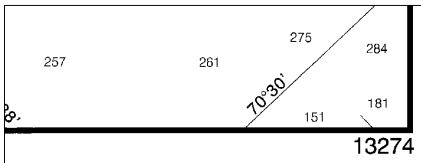
Nautical Miles

1 ½ 0 1 2 3

Yards

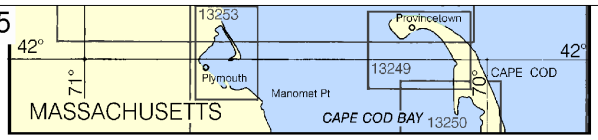
1000 0 1000 2000 3000 4000 5000

See Note on page 5.

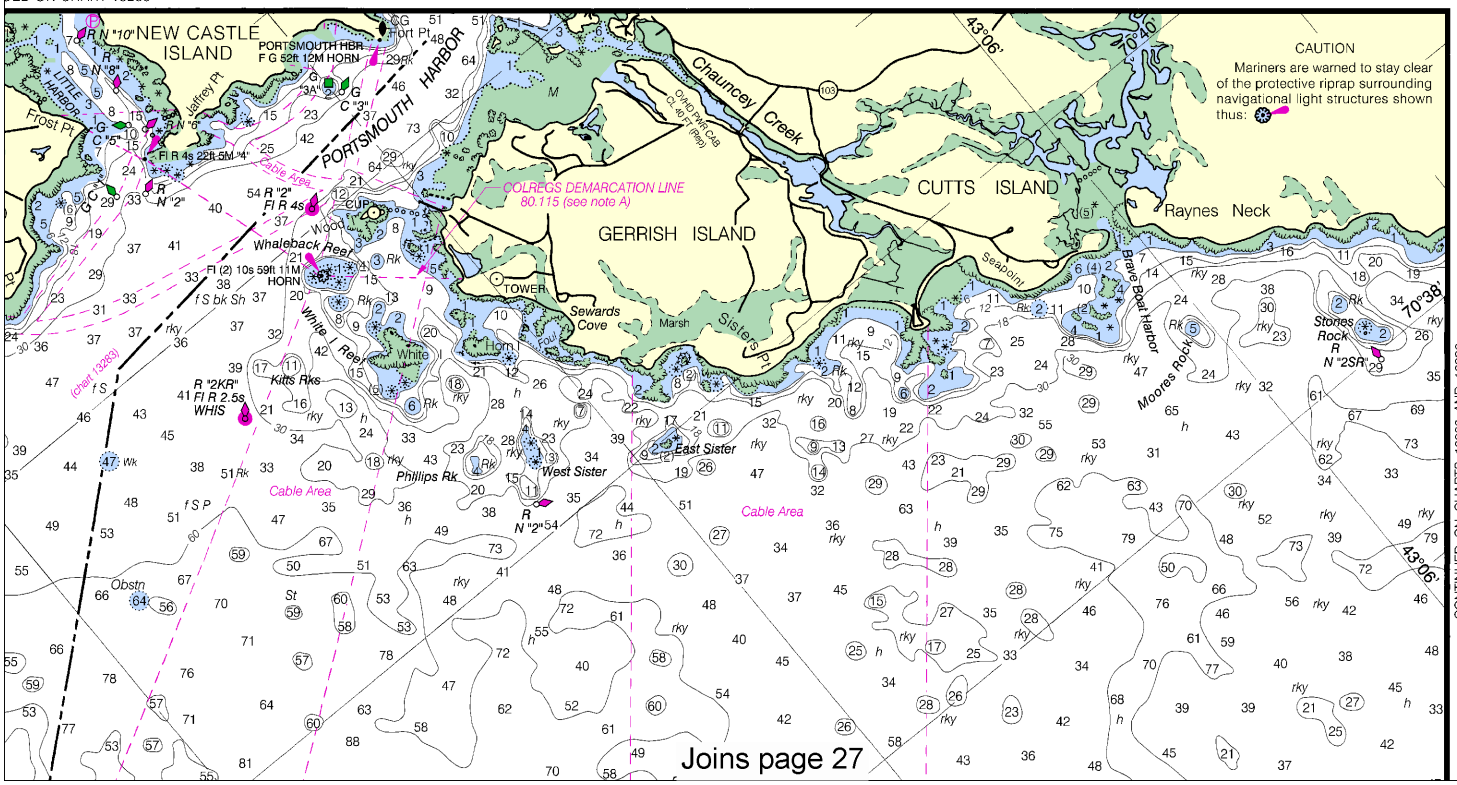


13274

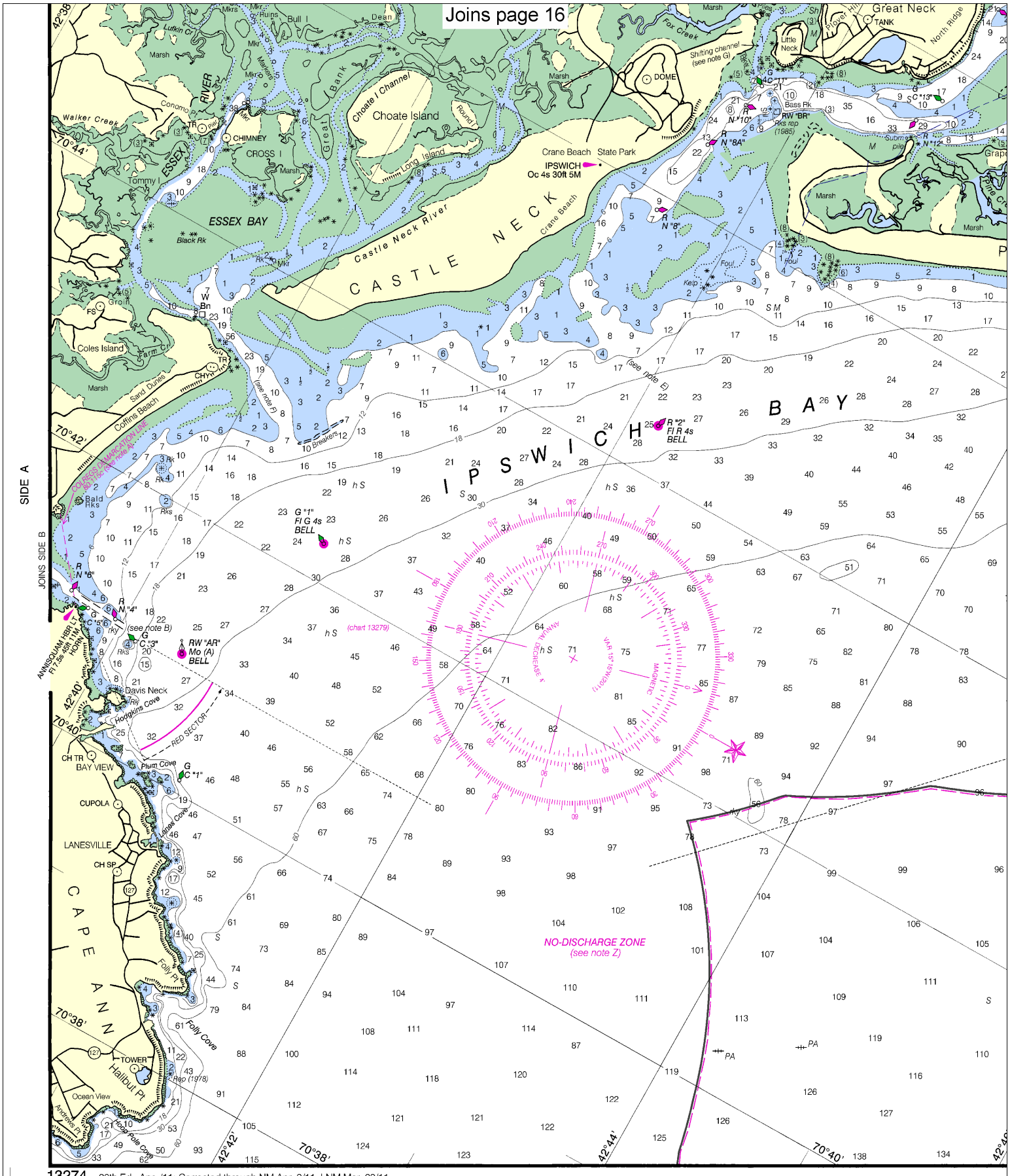
Joins page 15



UED ON CHART 13283



Joins page 27



13274 28th Ed., Apr. /11; Corrected through NM Apr. 9/11, LNM Mar. 29/11

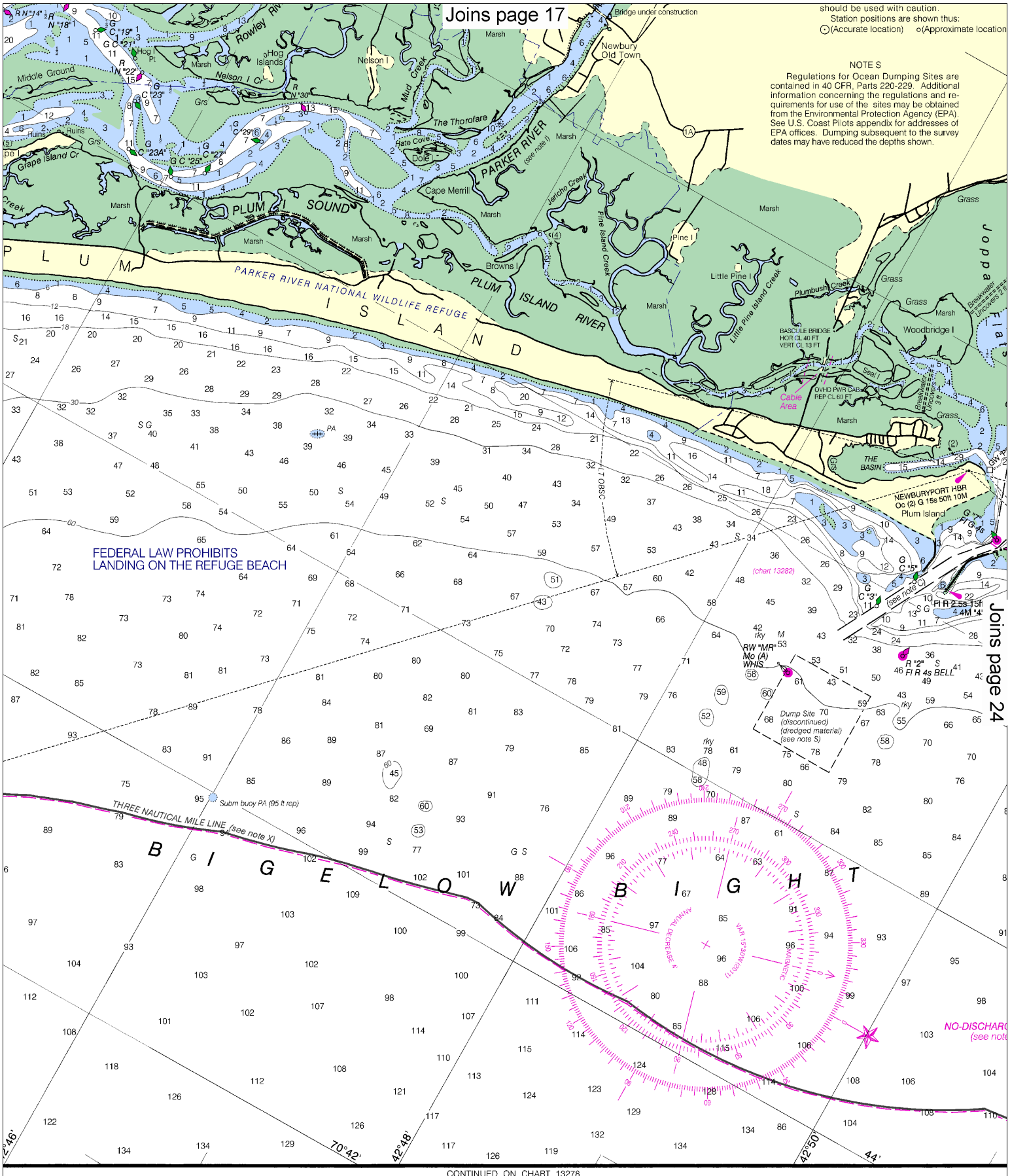
Note: Chart grid lines are aligned with true north.

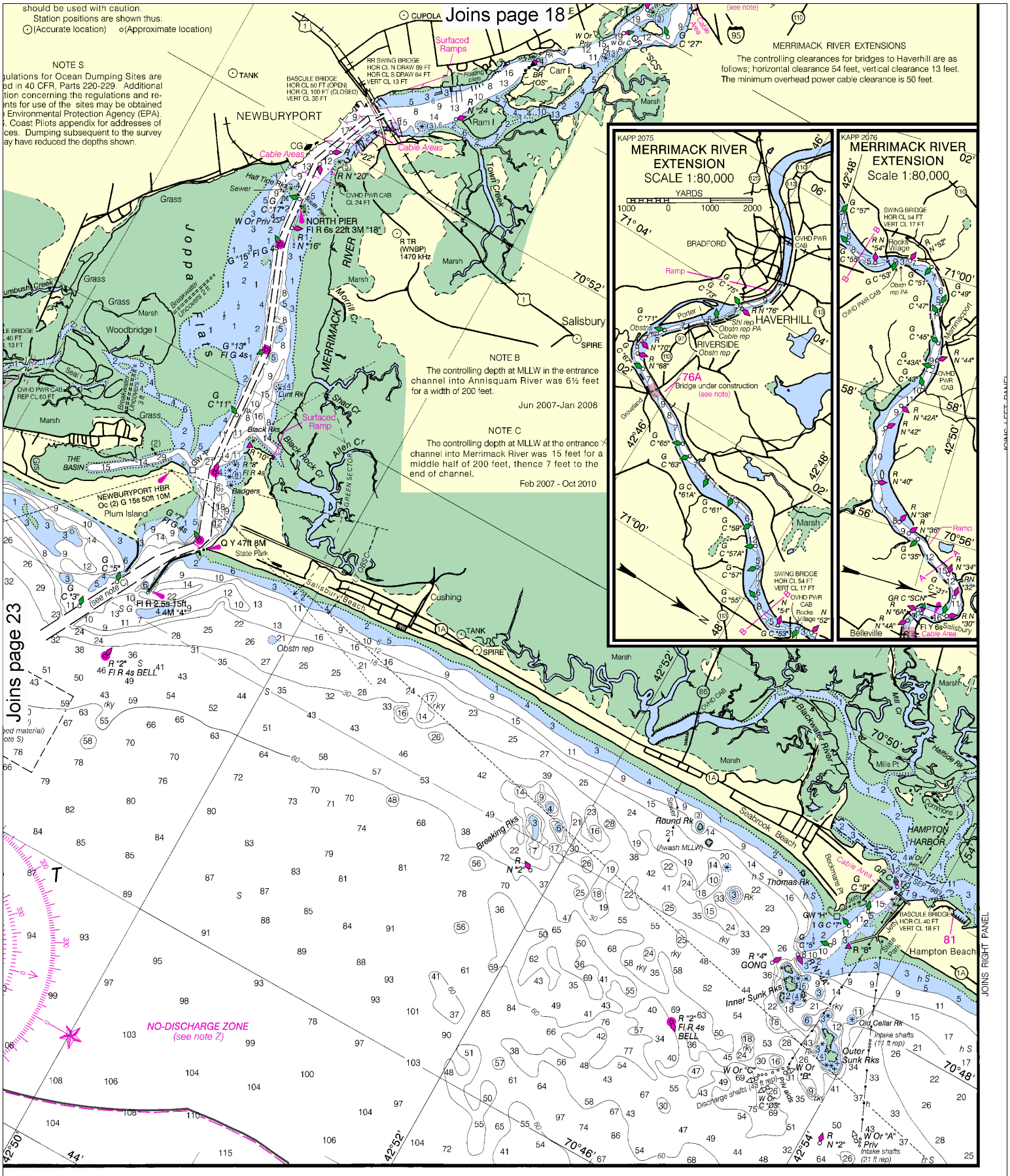
Printed at reduced scale. ~~SCALE 1:40,000~~

Nautical Miles: 1 ½ 0 1 2 3

Yards: 1000 0 1000 2000 3000 4000 5000

See Note on page 5.


Joins page 17
should be used with caution.
Station positions are shown thus:
⊙(Accurate location) o(Approximate location)
NOTE S
Regulations for Ocean Dumping Sites are contained in 40 CFR, Parts 220-229. Additional information concerning the regulations and requirements for use of the sites may be obtained from the Environmental Protection Agency (EPA). See U.S. Coast Pilots appendix for addresses of EPA offices. Dumping subsequent to the survey dates may have reduced the depths shown.
Bridge under construction
Newbury
Old Town
Rowley R
Hog Islands
Hog Pt
Nelson I
Nelson I Cr
Mud Creek
Middle Ground
The Thorofare
Hate Cove
Dole
PARKER RIVER
(see note I)
Cape Merrill
Jericho Creek
Pine Island Creek
Pine I
Little Pine I
Little Pine Island Creek
Plumbush Creek
Woodbridge I
Browns I
Grape Island Cr
PLUM ISLAND SOUND
PARKER RIVER NATIONAL WILDLIFE REFUGE
PLUM ISLAND RIVER
PLUM ISLAND
Joppa Flats
BASCULE BRIDGE
HOR CL 40 FT
VERT CL 13 FT
OVHD PWR CAB
REP CL 60 FT
Cable Area
Seal I
THE BASIN
NEWBURYPORT HBR
Oc (2) G 15s 50ft 10M
Plum Island
FEDERAL LAW PROHIBITS
LANDING ON THE REFUGE BEACH
(chart 13282)
LT OBSC
(see note O)
Fl R 2.5s 15ft
4.4M "4"
RW "MR"
Mo (A)
WHIS
R "2"
Fl R 4s BELL
Dump Site
(discontinued)
(dredged material)
(see note S)
Subm buoy PA (95 ft rep)
THREE NAUTICAL MILE LINE (see note X)
BIGELOW
BIGHT
NO-DISCHARG
(see note
70°42'
42°48'
42°50'
44'
Joins page 24
CONTINUED ON CHART 13278



Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

~~SCALE 1:40,000~~

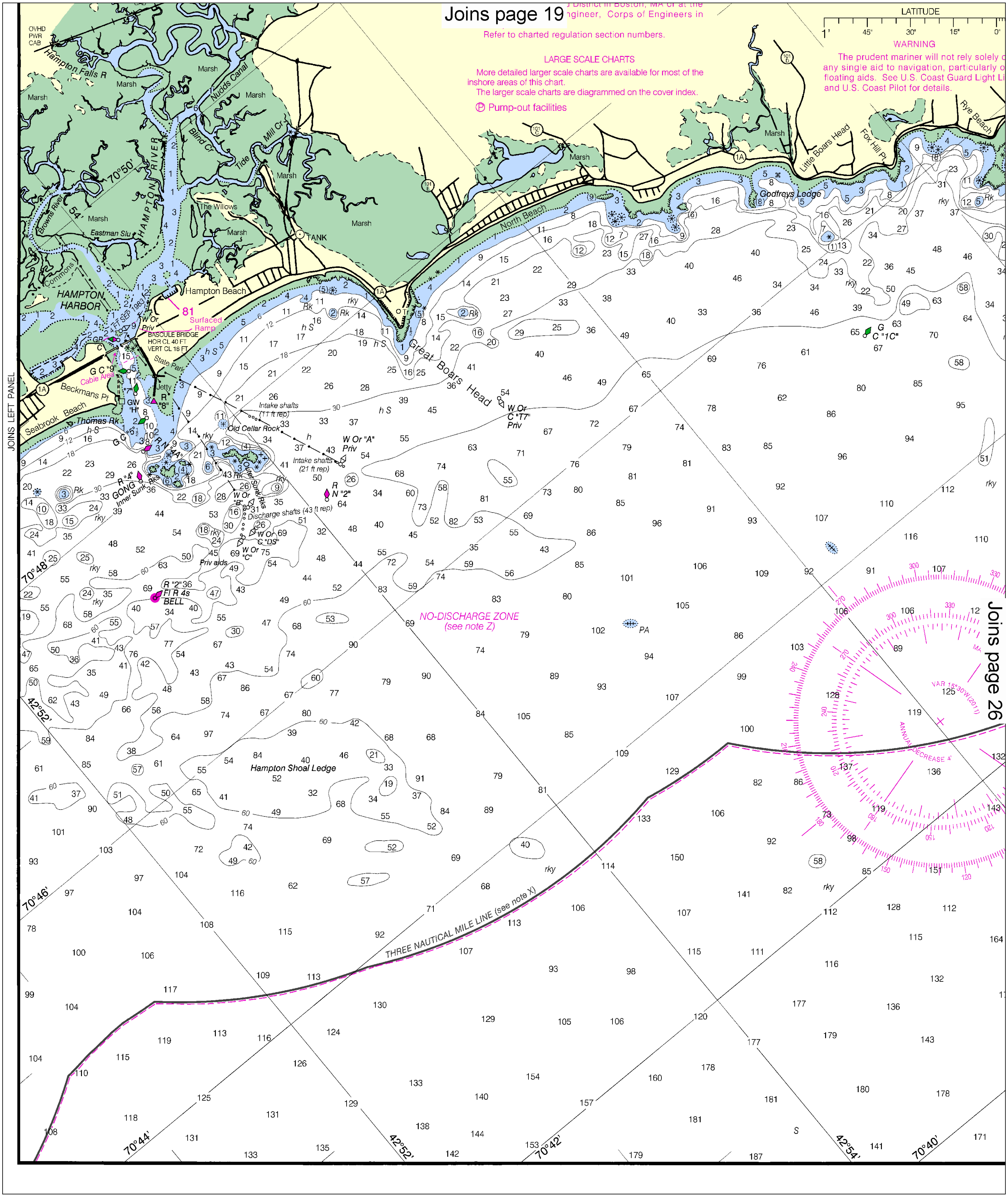
Nautical Miles

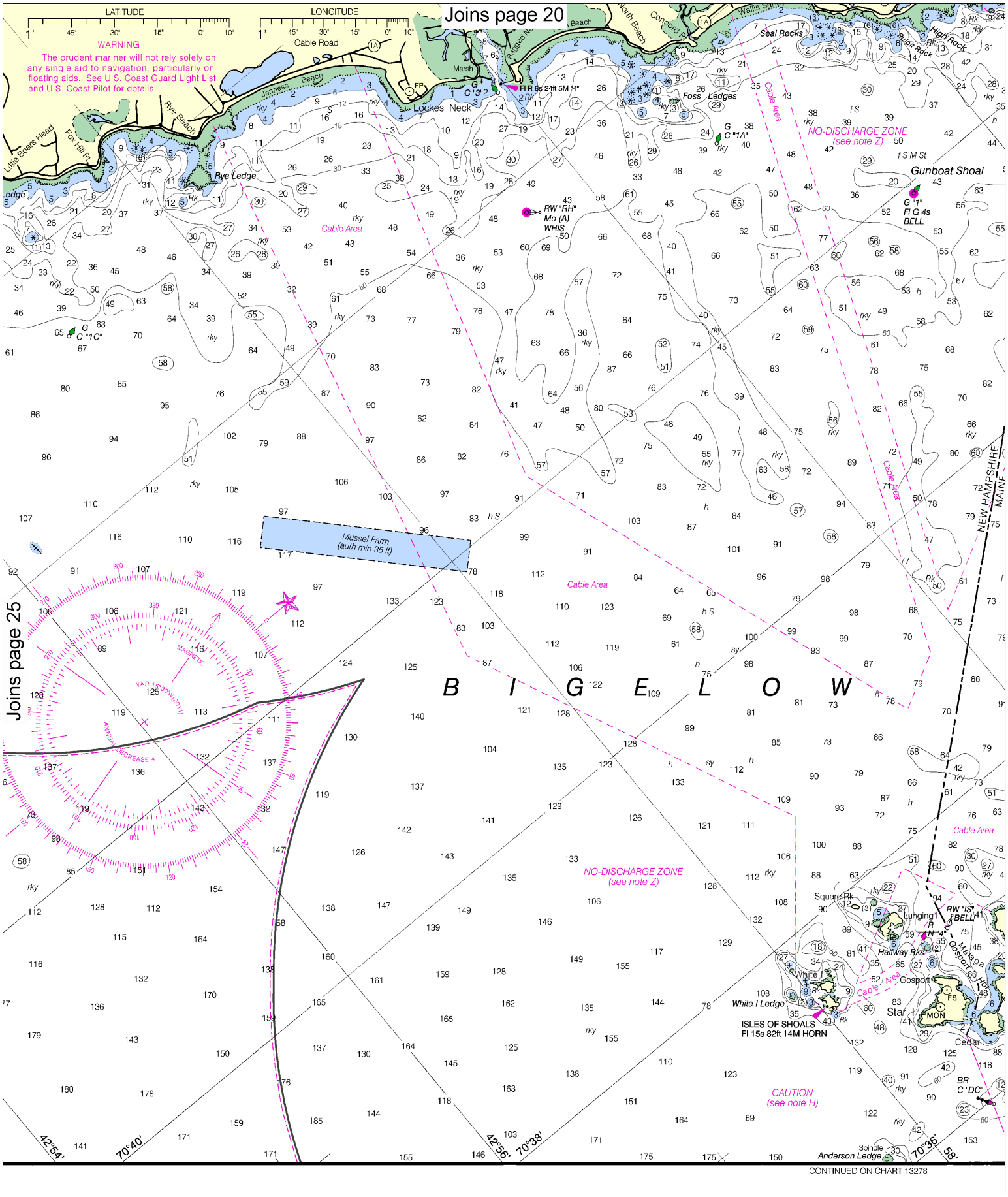
1 ½ 0 1 2 3

Yards

1000 0 1000 2000 3000 4000 5000

See Note on page 5.


Joins page 19
Refer to charted regulation section numbers.
LARGE SCALE CHARTS
More detailed larger scale charts are available for most of the inshore areas of this chart.
The larger scale charts are diagrammed on the cover index.
Pump-out facilities
LATITUDE
WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.
Hampton Falls R
Marsh
Nudds Canal
Blind Cr
Tide Mill Cr
HAMPTON RIVER
Browns River
Eastman Slu
The Willows
TANK
Hampton Beach
HAMPTON HARBOR
Commons
Surfaced Ramp
BASCULE BRIDGE HOR CL 40 FT VERT CL 18 FT
State Park
Jetty
Cable Area
Beckmans Pt
Seabrook Beach
Thomas Rk
Inner Sunk Rks
GONG
Outer Sunk Rks
Old Cellar Rock
Intake shafts (11 ft rep)
Intake shafts (21 ft rep)
Discharge shafts (43 ft rep)
Priv aids
FI R 4s BELL
North Beach
Great Boars Head
Little Boars Head
Fox Hill Pt
Rye Beach
Godfreys Ledge
NO-DISCHARGE ZONE (see note Z)
Hampton Shoal Ledge
THREE NAUTICAL MILE LINE (see note X)
VAR 15°30'W (2011)
ANNUAL DECREASE 4'
JOINS LEFT PANEL
Joins page 26
70°50'
70°48'
70°46'
70°44'
70°42'
70°40'
42°52'
42°54'



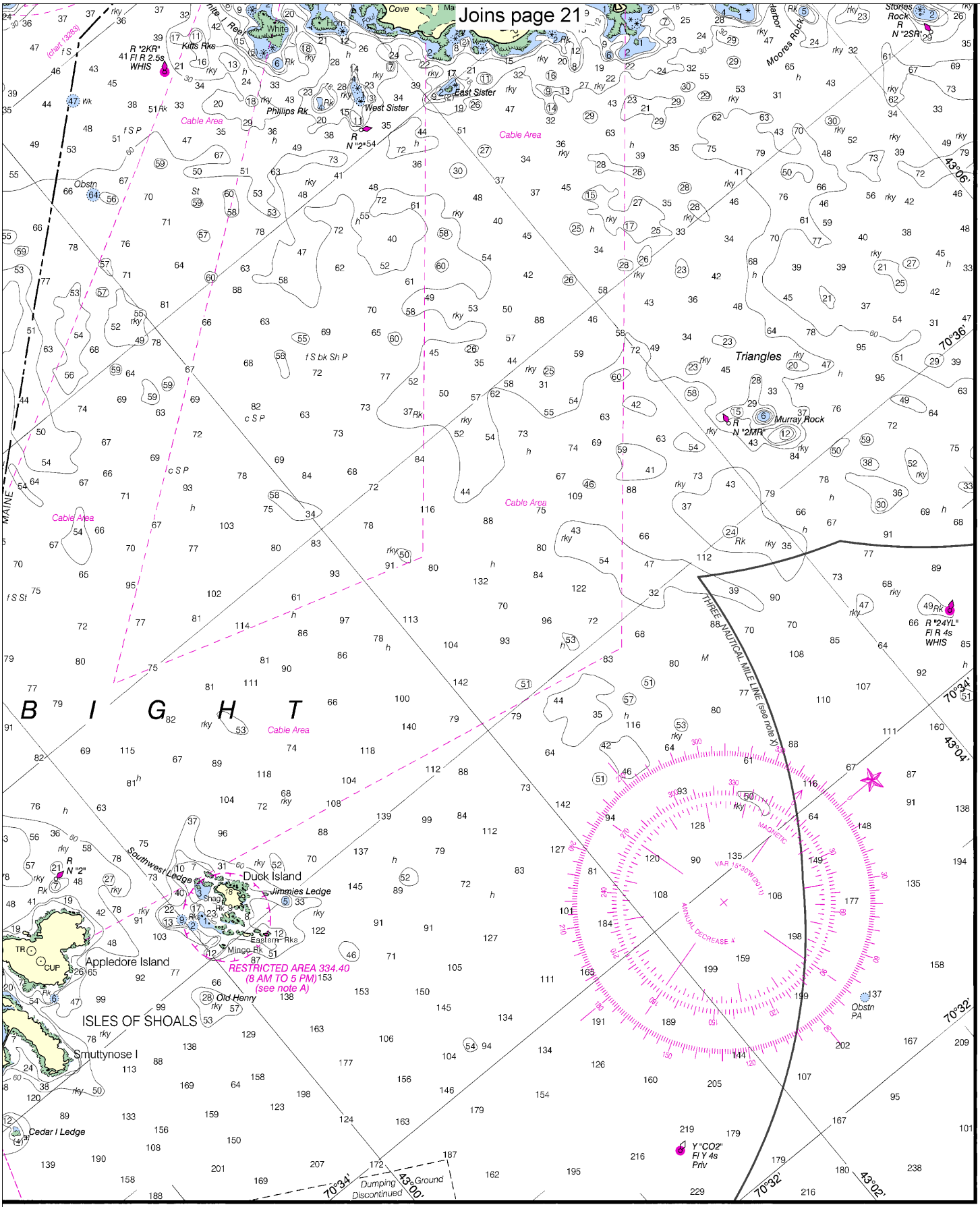
Note: Chart grid lines are aligned with true north.

Printed at reduced scale. ~~SCALE 1:40,000~~

Nautical Miles: 1 ½ 0 1 2 3

Yards: 1000 0 1000 2000 3000 4000 5000

See Note on page 5.


Joins page 21
CONTINUED ON CHARTS 13283 AND 13286
SIDE A
13274
B I G H T
ISLES OF SHOALS
Appledore Island
Smuttynose I
Duck Island
Jimmies Ledge
Southwest Ledge
Eastern Rks
Mingo Rk
Old Henny
Cedar I Ledge
Kitts Rks
Phillips Rk
East Sister
West Sister
Moores Rock
Stories Rock
Triangles
Murray Rock
Cable Area
RESTRICTED AREA 334.40
(8 AM TO 5 PM)
(see note A)
THREE NAUTICAL MILE LINE (see note X)
Dumping Ground
Discontinued
Obstn PA
MAGNETIC
VAR 15°30'W (2017)
ANNUAL DECREASE 8'
R "2KR" Fl R 2.5s WHIS
R "2SR" N
R "2" N
R "2MR" N
R "24YL" Fl R 4s WHIS
Y "CO2" Fl Y 4s Priv
70°36'
70°34'
70°32'
43°06'
43°04'
43°02'
43°00'

EMERGENCY INFORMATION

VHF Marine Radio channels for use on the waterways:

Channel 6 – Inter-ship safety communications.
Channel 9 – Communications between boats and ship-to-coast.
Channel 13 – Navigation purposes at bridges, locks, and harbors.
Channel 16 – Emergency, distress and safety calls to Coast Guard and others, and to initiate calls to other vessels. Contact the other vessel, agree to another channel, and then switch.
Channel 22A – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here.
Channels 68, 69, 71, 72 and 78A – Recreational boat channels.

Getting and Giving Help — Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.

Distress Call Procedures

- Make sure radio is on.
- Select Channel 16.
- Press/Hold the transmit button.
- Clearly say: "MAYDAY, MAYDAY, MAYDAY."
- Also give: Vessel Name and/or Description; Position and/or Location; Nature of Emergency; Number of People on Board.
- Release transmit button.
- Wait for 10 seconds — If no response Repeat MAYDAY call.

HAVE ALL PERSONS PUT ON LIFE JACKETS!

All Hazards NOAA Weather Radio NOAA's National Weather Service

NOAA Weather Radio All Hazards (NWR) is a nationwide network of radio stations broadcasting continuous weather information directly from the nearest National Weather Service office. NWR broadcasts official Weather Service warnings, watches, forecasts and other hazard information 24 hours a day, 7 days a week.
http://www.nws.noaa.gov/nwr/

Quick References

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Report a chart discrepancy	—	**http://ocsdata.ncd.noaa.gov/idrs/discrepancy.aspx**
Chart and chart related inquiries and comments	—	**http://ocsdata.ncd.noaa.gov/idrs/inquiry.aspx?frompage=ContactUs**
Chart updates (LNM and NM corrections)	—	**http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html**
Coast Pilot online	—	**http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm**
Tides and Currents	—	**http://tidesandcurrents.noaa.gov**
Marine Forecasts	—	**http://www.nws.noaa.gov/om/marine/home.htm**
National Data Buoy Center	—	**http://www.ndbc.noaa.gov/**
NowCoast web portal for coastal conditions	—	**http://www.nowcoast.noaa.gov/**
National Weather Service	—	**http://www.weather.gov/**
National Hurrican Center	—	**http://www.nhc.noaa.gov/**
Pacific Tsunami Warning Center	—	**http://ptwc.weather.gov/**
Contact Us	—	**http://www.nauticalcharts.noaa.gov/staff/contact.htm**

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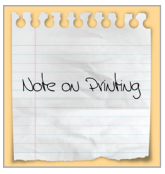

This Booklet chart has been designed for duplex printing (printed on front and back of one sheet). If a duplex option is not available on your printer, you may print each sheet and arrange them back-to-back to allow for the proper layout when viewing.

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